Table III

	Atom	Atom Type	Resid ue		#	X	Y	Z	В	Occ
ATOM	1	N	MET	A	1	15.398	13.285	-2.442	1.00	51.19
ATOM	5	CA	MET	A	1	14.789	12.112	-3.100	1.00	50.26
ATOM	6	CB	MET	A	1	13.488	12.499	-3.787	1.00	48.58
ATOM	7	CG	MET	Α	1	12.513	13.187	-2.840	1.00	48.82
ATOM	8	SD	MET	A	1	10.963	13.735	-3.590	1.00	48.56
ATOM	9	CE	MET	Α	1	10.258	14.614	-2.177	1.00	48.52
ATOM	10	C	MET	Α	1	15.740	11.549	-4.150	1.00	49.68
ATOM	11	0	MET	A	1	16.289	12.312	-4.954	1.00	49.45
ATOM	12	N	GLN	A	2	15.955	10.244	-4.112	1.00	49.48
ATOM	14	CA	GLN	A	2	16.809	9.589	-5.115	1.00	48.97
ATOM	15	CB	GLN	A	2	18.283	9.898	-4.815	1.00	48.89
ATOM	16	CG	GLN	A	2	19.293	9.196	-5.738	1.00	48.48
ATOM	17	CD	GLN	A	2	19.133	9.555	-7.225	1.00	47.98
ATOM	18	OE1	GLN	A	2	18.028	9.792	-7.725	1.00	47.57
ATOM	19	NE2	GLN	A	2	20.227	9.435	-7.952	1.00	48.08
ATOM	22	C	GLN	A	2	16.567	8.076	-5.192	1.00	48.31
ATOM	23	0	GLN	A	2	16.528	7.372	-4.174	1.00	48.16
ATOM	24	N	GLY	A	3	16.442	7.592	-6.417	1.00	48.01
ATOM	26	CA	GLY	A	3	16.245	6.173	-6.683	1.00	47.41
ATOM	27	C	GLY	A	3	17.482	5.483	-7.254	1.00	46.87
ATOM	28	0	GLY	A	3	18.162	5.975	-8.166	1.00	46.65
ATOM	29	N	GLN	A	4	17.791	4.349	-6.657	1.00	46.75
ATOM	31	CA	GLN	A	4	18.825	3.454	-7.179	1.00	46.31
ATOM	32	CB	GLN	A	4	19.438	2.741	-5.984	1.00	46.49
ATOM	33	CG	GLN	A	4	20.569	1.810	-6.385	1.00	47.05
ATOM	34	CD	GLN	A	4	20.529	0.605	-5.459	1.00	47.56
ATOM	35	OE1	GLN	A	4	21.435	0.388	-4.647	1.00	48.03
ATOM	36	NE2	GLN	A	4	19.465	-0.166	-5.603	1.00	47.50
ATOM	39	C	GLN	A	4	18.192	2.419	-8.114	1.00	45.37
ATOM	40	0	GLN	A	4	17.816	1.319	-7.683	1.00	45.03
ATOM	41	N	GLY	A	5	18.153	2.742	-9.395	1.00	45.01
ATOM	43	CA	GLY	A	5	17.485	1.863	10.363	1.00	44.13
ATOM	44	С	GLY	A	5	17.931	2.078	11.807	1.00	43.80
ATOM	45	0	GLY	A	5	17.182	2.627	12.630	1.00	43.85
ATOM	46	N	ARG	A	6	18.987	1.366	12.159	1.00	44.78
ATOM	48	CA	ARG	A	6	19.560	1.419	13.511	1.00	44.72
ATOM	49	СВ	ARG	A	6	20.840	0.577	13.455	1.00	45.73
ATOM	50	CG	ARG	A	6	21.653	0.544	14.748	1.00	46.28
ATOM	51	CD	ARG	A	6	21.214	-0.551	15.717	1.00	46.92
ATOM	52	NE	ARG	A	6	21.341	-1.878	15.096	1.00	47.35
ATOM	53	CZ	ARG	A	6	21.802	-2.945	15.751	1.00	47.43
ATOM	54	NHI	ARG	Ā	6	22.185	-2.829	17.025	1.00	47.60
ATOM	55	NH2	ARG	A	6	21.883	-4.125	-	1.00	47.39
	1 1 2	4	1			1 = 1.000			1 2100	1 11107

ATOM	1 56	C	ADC	٠.	+-	-		15.132		
			ARG	A	6	18.570		14.532	1.00	43.76
ATOM		0	ARG	A	6	18.222	1.569	15.490	1.00	43.44
ATOM	1 58	N	ARG	A	7	17.854	-0.164		1.00	43.34
ATOM	60	CA	ARG	A	7	16.899	-0.917		1.00	42.46
ATOM	61	CB	ARG	A	7	16.641	-2.243	-	1.00	43.40
ATOM	62	CG	ARG	A	7	17.924	-2.971	14.194	1.00	43.50
ATOM	63	CD	ARG	A	7	17.598	-4.239		1.00	43.72
ATOM	64	NE	ARG	A	7	18.816	-4.938	13.038	1.00	43.80
ATOM	65	CZ	ARG	A	7	19.090	-5.179	12.600	1.00	43.65
ATOM	66	NHI	ARG	A	7	18.302	-4.680	11.316	1.00	43.77
ATOM	67	NH2	ARG	A	7	20.196	-5.849	10.360	1.00	43.45
ATOM	68	C	ARG	A	7	15.539	-0,239	10.985	1.00	41.88
ATOM	69	0	ARG	A	7	14.728	-0.728	15.071	1.00	42.14
ATOM	70	N	ARG	A	8	15.292	0.874	15.865	1.00	41.14
ATOM	72	CA	ARG	A	8	13.995	1.533	14.395		
ATOM	73	СВ	ARG	A	8			14.557	1.00	40.60
ATOM	74	CG				13.541	2.104	13.214	1.00	40.61
ATOM			ARG	A	8	14.151	3.454	12.848	1.00	40.15
	75	CD	ARG	A	8	13.879	3.761	11.379	1.00	39.95
ATOM	76	NE	ARG	A	8	13.957	5.197	11.056	1.00	40.56
ATOM	77	CZ	ARG	A	8	15.044	5.843	10.627	1.00	41.08
ATOM	78	NH1	ARG	A	8	14.906	6,999	-9.975	1.00	41.39
ATOM	79	NH2	ARG	A	8	16.212	5.210	10.572	1.00	41.34
ATOM	80	C	ARG	Α	8	14.071	2.601	15.647	1.00	39.99
ATOM	81	0	ARG	A	8	13.045	3.140	-	1.00	39.81
ATOM	82	N	GLY	A	9	15.272	2.814	16.077	1.00	39.73
ATOM	84	CA	GLY	A	9	15.471	3.775	16.163	1.00	39.19
АТОМ	85	С	GLY	A	9	16.382	4.900	17.243	1.00	38.79
ATOM	86	0	GLY	A	9	16.113	6.082	16.789	1.00	38.36
АТОМ	87	N	THR	A	10	17.431	4.530	17.041	1.00	39.03
			1	- 1		1 1		16.078		

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ATOM	1 90	СВ	THR	A	10	18.584	5.253	15.590	1.00	39.28
ATOM	1 91	OG1	THR	A	10	17.312	5.377	14.107	1.00	39.82
ATOM	1 92	CG2	THR	A	10	19.536	6.238	13.488	1.00	39.49
ATOM	93	С	THR	A	10	19.699	5.477	13.440	1.00	38.15
ATOM	94	0	THR	A	10	20.441	6.463	16.353	1.00	38.33
ATOM	95	N	CYS	A	11	19.936	4.357	16.406	1.00	37.53
ATOM	97	CA	CYS	A	11	21.187	4.185	17.016	1.00	36.98
ATOM	98	СВ	CYS	A	11	21.704	2.781	17.763	1.00	37.21
ATOM	99	SG	CYS	A	11	23.381	2.392	17.468	1.00	37.18
ATOM	100	C	CYS	A	11	21.015	4.373	18.024	1.00	36.77
ATOM	101	0	CYS	A	11	21.989	4.257	19.274	1.00	36.52
ATOM	102	N	LYS	A	12	19.804	4.660	20.025	1.00	37.20
ATOM	104	CA	LYS	A	12	19.569	4.726	19.722	1.00	37.21
ATOM	105	СВ	LYS	A	12	18.372	3.848	21.169	1.00	37.42
ATOM	106	CG	LYS	A	12	17.097	4.333	21.522	1.00	37.48
ATOM	107	CD	LYS	A	12	15.883	3.547	20.845	1.00	38.13
ATOM	108	CE	LYS	A	12	14.599	4.079	21.326	1.00	L
АТОМ	109	NZ	LYS	A	12	13.424	3.339	20.702	1.00	38.28
ATOM	110	C	LYS	A	12	19.323	6.148	21.186		
ATOM	111	0	LYS	A	12	18.893	7.025	21.670	1.00	36.94
ATOM	112	N	ASP	A	13			20.918	1.00	36.54
ATOM	114	CA	ASP			19.566	6.316	22.963	1.00	37.27
ATOM	115	СВ	ASP	A	13	19.263	7.542	23.737	1.00	37.15
ATOM	116	CG		A	13	17.796	7.492	24.158	1.00	37.99
ATOM	117	OD1	ASP	A	13	17.537	6.285	25.053	1.00	38.69
ATOM			ASP	A	13	17.088	5.272	24.533	1.00	39.33
ATOM	118	OD2	ASP	A	13	17.786	6.402	26.245	1.00	38.66
		С	ASP	A	13	19.536	8.871	- 23.028	1.00	36.89
ATOM	120	0	ASP	Α	13	20.506	8.992	- 22.272	1.00	37.25
ATOM	121	N	ILE	A	14	18.749	9.863	22.426	1.00	36.29

ATOM	123	CA	ILE	A	14	18.784	11.283	23.004	1.00	36.08
ATOM	124	СВ	ILE	A	14	17.594	11.554	22.087	1.00	36.68
ATOM	125	CG2	ILE	A	14	17.672	12.935	21.442	1.00	36.42
ATOM	126	CG1	ILE	A	14	16.300	11.424	22.883	1.00	37.41
ATOM	127	CD1	ILE	A	14	15.092	11.878	22.071	1.00	38.01
ATOM	128	С	ILE	A	14	20.089	11.781	22.384	1.00	35.41
ATOM	129	0	ILE	A	14	20.477	11.412	21.270	1.00	35.11
ATOM	130	N	PHE	A	15	20.678	12.723	23.108	1.00	35.24
ATOM	132	CA	PHE	A	15	21.982	13.323	22.792	1.00	34.77
ATOM	133	СВ	PHE	A	15	22.080	14.603	23.618	1.00	35.12
ATOM	134	CG	PHE	A	15	23.432	15.309	23.595	1.00	35.04
ATOM	135	CD1	PHE	A	15	24.604	14.583	23.764	1.00	35.07
ATOM	136	CE1	PHE	A	15	25.832	15.232	23.748	1.00	35.04
ATOM	137	CZ	PHE	A	15	25.887	16.608	23.570	1.00	35.02
ATOM	138	CE2	PHE	A	15	24.715	17.336	23.410	1.00	34.98
ATOM	139	CD2	PHE	A	15	23.488	16.686	23.426	1.00	34.98
ATOM	140	С	PHE	A	15	22.145	13.648	21.308	1.00	34.03
ATOM	141	0	PHE	A	15	21.313	14.340	20.704	1.00	33.59
ATOM	142	N	CYS	A	16	23.133	12.977	20.730	1.00	33.95
ATOM	144	CA	CYS	A	16	23.581	13.118	19.330	1.00	33.34
ATOM	145	СВ	CYS	A	16	23.688	14.595	18.951	1.00	33.26
ATOM	146	SG	CYS	A	16	24.914	15.560	19.865	1.00	33.25
ATOM	147	С	CYS	A	16	22.733	12.386	18.278	1.00	32.74
ATOM	148	0	CYS	A	16	23.314	11.677	- 17.447	1.00	32.44
ATOM	149	N	SER	Α	17	21.415	12.532	18.300	1.00	32.60
ATOM	151	CA	SER	A	17	20.591	11.978	17.211	1.00	32.03
ATOM	152	CB	SER	A	17	20.891	12.787	15.950	1.00	32.30
ATOM	153	OG	SER	A	17	21.022	14.156	16.322	1.00	32.53
ATOM	154	С	SER	A	17	19.084	11.984	17.487	1.00	32.04
ATOM	155	0	SER	A	17	18.593	11.378	-	1.00	32.34

								18.447		
ATOM	156	N	LYS	A	18	18.369	12.606	16.558	1.00	33.24
ATOM	158	CA	LYS	A	18	16.905	12.756	16.602	1.00	32.73
ATOM	159	СВ	LYS	A	18	16.501	13.572	17.824	1.00	33.18
ATOM	160	CG	LYS	A	18	17.080	14.978	17.749	1.00	33.24
ATOM	161	CD	LYS	A	18	16.657	15.820	18.945	1.00	33.87
ATOM	162	CE	LYS	A	18	17.230	17.230	18.853	1.00	34.03
ATOM	163	NZ	LYS	A	18	16.800	18.049	- 19.998	1.00	34.59
ATOM	164	С	LYS	A	18	16.170	11.422	- 16.584	1.00	32.46
ATOM	165	0	LYS	A	18	16.295	10.659	- 15.619	1.00	32.34
ATOM	166	N	MET	A	19	15.468	11.137	- 17.670	1.00	32.43
ATOM	168	CA	MET	A	19	14.544	9.991	- 17.789	1.00	32.25
ATOM	169	СВ	MET	A	19	15.269	8.820	- 18.433	1.00	33.06
ATOM	170	CG	MET	A	19	15.850	9.218	- 19.778	1.00	33.76
ATOM	171	SD	MET	A	19	15.922	7.897	21.003	1.00	34.22
ATOM	172	CE	MET	Α	19	14.148	7.643	21.234	1.00	34.73
ATOM	173	C	MET	A	19	13.934	9.527	- 16.469	1.00	32.00
ATOM	174	0	MET	A	19	13.467	10.345	15.661	1.00	32.06
ATOM	175	N	ALA	A	20	14.101	8.249	16.170	1.00	31.80
ATOM	177	CA	ALA	A	20	13.431	7.674	14.999	1.00	31.62
ATOM	178	СВ	ALA	A	20	13.386	6.164	- 15.140	1.00	31.45
ATOM	179	С	ALA	A	20	14.059	8.048	13.658	1.00	30.71
ATOM	180	0	ALA	A	20	13.333	8.045	12.657	1.00	30.35
ATOM	181	N	SER	A	21	15.235	8.662	13.683	1.00	30.45
ATOM	183	CA	SER	A	21	15.855	9.132	12.442	1.00	29.65
ATOM	184	СВ	SER	A	21	17.371	9.206	12.577	1.00	29.99
ATOM	185	OG	SER	A	21	17.709	10.386	13.291	1.00	29.93
ATOM	186	С	SER	A	21	15.307	10.501	12.037	1.00	29.12
ATOM	187	0	SER	A	21	15.765	11.067	11.043	1.00	28.77
ATOM	188	N	TYR	A	22	14.426	11.070	12.845	1.00	29.15

			,							
ATOM	190	CA	TYR	A	22	13.652	12.235	12.410	1.00	28.75
ATOM	191	СВ	TYR	A	22	13.788	13.365	-	1.00	28.70
		02		**		15.700	15.505	13.429	1.00	20.70
ATOM	192	CG	TYR	A	22	15.018	14.267	-	1.00	28.83
								13.299		
ATOM	193	CD1	TYR	A	22	16.292	13.734	-	1.00	29.48
ATOM	194	CEL	TNID	١	22	17 201	14.674	13.147	1.00	20.60
ATOM	194	CE1	TYR	A	22	17.391	14.574	13.034	1.00	29.69
ATOM	195	CZ	TYR	A	22	17.213	15.950	13.034	1.00	29.26
			1	1		111213	101500	13.077	1100	23.20
ATOM	196	OH	TYR	A	22	18.302	16.786	-	1.00	29.57
								12.968		
ATOM	197	CE2	TYR	A	22	15.943	16.489	-	1.00	28.61
ATOM	198	CD2	TYR	A	22	14.845	15.645	13.231	1.00	28.39
ATOM	190	CD2	IIK	Α.	22	14.043	15.045	13.344	1.00	20.39
ATOM	199	С	TYR	A	22	12.181	11.853	-	1.00	28.19
		1						12.280		
ATOM	200	0	TYR	A	22	11.509	12.233	-	1.00	27.76
	201			ļ.,				11.307		
ATOM	201	N	LEU	A	23	11.777	10.910	12 120	1.00	28.27
ATOM	203	CA	LEU	A	23	10.363	10.512	13.120	1.00	27.85
ATOM	203	CA	LEU	Δ.	23	10.303	10.512	13.228	1.00	27.65
ATOM	204	СВ	LEU	A	23	10.153	9.796	-	1.00	28.59
								14.558		
ATOM	205	CG	LEU	A	23	10.320	10.731	-	1.00	28.61
177016	205	an.	* ****	ļ.,				15.750		
ATOM	206	CD1	LEU	A	23	10.253	9.952	17.061	1.00	29.14
ATOM	207	CD2	LEU	A	23	9.276	11.843	17.001	1.00	28.27
		1		1		J.E.	1110.5	15.732	1.00	20.27
ATOM	208	С	LEU	A	23	9.855	9.602	-	1.00	27.38
								12.111		
ATOM	209	0	LEU	A	23	8.636	9.458	-	1.00	26.72
ATOM	210	N	TYR	A	24	10.740	9.103	11.966	1.00	27.81
ATOM	210	IN .	III	Ι^.	24	10.740	9.103	11.263	1.00	27.01
ATOM	212	CA	TYR	A	24	10.310	8.300	-	1.00	27.64
								10.111		
ATOM	213	CB	TYR	A	24	11.392	7.268	-9.828	1.00	28.21
ATOM	214	CG	TYR	Α	24	10.974	6.095	-8.948	1.00	28.08
ATOM	215	CD1	TYR	A	24	11.905	5.494	-8.113	1.00	28.38
ATOM ATOM	216 217	CE1 CZ	TYR	A	24	11.531	4.421	-7.316	1.00	28.36
ATOM	217	OH	TYR	A	24	9.845	3.951 2.938	-7.356 -6.504	1.00	28.03
ATOM	219	CE2	TYR	A	24	9.296	4.543	-8.197	1.00	27.70
ATOM	220	CD2	TYR	A	24	9.672	5.614	-8.996	1.00	27.73
ATOM	221	C	TYR	A	24	10.041	9.162	-8.865	1.00	27.22
ATOM	222	О	TYR	Α	24	9.989	8.641	-7.745	1.00	27.04
ATOM	223	N	GLY	A	25	9.915	10.467	-9.049	1.00	27.18
ATOM	225	CA	GLY	A	25	9.673	11.366	-7.922	1.00	26.90
ATOM	226	C	GLY	A	25	11.001	11.758	-7.294	1.00	26.20
ATOM	228	N	GLY VAL	A	25 26	11.223	11.567	-6.092 -8.129	1.00	25.81
ATOM	230	CA	VAL	A	26	13.225	12.643	-7.641	1.00	25.61

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ATOM	231	CB	VAL	A	26	14.291	11.883	-8.423	1.00	26.41
ATOM	232	CG1	VAL	A	26	15.697	12.336	-8.049	1.00	26.69
ATOM	233	CG2	VAL	A	26	14.147	10.379	-8.231	1.00	26.42
ATOM	234	C	VAL	A	26	13.416	14.148	-7.797	1.00	25.10
ATOM	235	0	VAL	A	26	13.750	14.631	-8.886	1.00	24.61
ATOM	236	N	LEU	A	27	13.141	14.875	-6.724	1.00	25.30
ATOM	238	CA	LEU	Α	27	13.296	16.339	-6.721	1.00	24.97
ATOM	239	CB	LEU	A	27	12.039	17.034	-7.237	1.00	25.66
ATOM	240	CG	LEU	A	27	11.990	17.123	-8.758	1.00	26.01
ATOM	241	CD1	LEU	A	27	10.728	17.838	-9.219	1.00	26.79
ATOM	242	CD2	LEU	Α	27	13.229	17.824	-9.307	1.00	25.84
ATOM	243	C	LEU	Α	27	13.601	16.894	-5.334	1.00	24.45
ATOM	244	0	LEU	A	27	13.017	16.487	-4.323	1.00	24.15
ATOM	245	N	PHE	Α	28	14.463	17.895	-5.323	1.00	24.45
ATOM	247	CA	PHE	A	28	14.796	18.618	-4.091	1.00	24.08
ATOM	248	CB	PHE	A	28	16.252	19.078	-4.203	1.00	24.22
ATOM	249	CG	PHE	A	28	16.754	20.007	-3.096	1.00	24.07
ATOM	250	CD1	PHE	Α	28	16.812	19.571	-1.779	1.00	24.31
ATOM	251	CE1	PHE	A	28	17.271	20.426	-0.786	1.00	24.27
ATOM	252	CZ	PHE	A	28	17.677	21.714	-1.110	1.00	24.01
ATOM	253	CE2	PHE	A	28	17.630	22.147	-2.427	1.00	23.74
ATOM	254	CD2	PHE	Α	28	17.172	21.292	-3.420	1.00	23.76
ATOM	255	C	PHE	A	28	13.853	19.809	-3.923	1.00	23.38
ATOM	256	0	PHE	A	28	14.109	20.890	-4.466	1.00	22.93
ATOM	257	N	ALA	A	29	12.739	19.577	-3.244	1.00	23.41
ATOM	259	CA	ALA	Α	29	11.760	20.650	-3.022	1.00	22.89
ATOM	260	CB	ALA	A	29	11.077	20.995	-4.343	1.00	23.75
ATOM	261	С	ALA	A	29	10.686	20.270	-2.009	1.00	22.80
ATOM	262	0	ALA	Α	29	10.338	19.095	-1.852	1.00	22.68
ATOM	263	N	VAL	Α	30	10.163	21.304	-1.364	1.00	23.63
ATOM	265	CA	VAL	A	30	9.004	21.219	-0.450	1.00	23.70
ATOM	266	CB	VAL	Α	30	7.806	20.619	-1.189	1.00	23.97
ATOM	267	CG1	VAL	Α	30	6.649	20.312	-0.241	1.00	24.62
ATOM	268	CG2	VAL	A	30	7.343	21.542	-2.313	1.00	23.77
ATOM	269	С	VAL	Α	30	9.279	20.458	0.849	1.00	23.16
ATOM	270	0	VAL	A	30	9,463	19.235	0.863	1.00	23.04
ATOM	271	N	GLY	A	31	9.271	21.215	1.936	1.00	22.80
ATOM	273	CA	GLY	A	31	9.406	20.648	3.280	1.00	22.28
ATOM	274	С	GLY	Α	31	8.442	21.328	4.252	1.00	21.88
ATOM	275	0	GLY	A	31	7.225	21.116	4.214	1.00	21.64
ATOM	276	N	LEU	Α	32	9.007	22.129	5.138	1.00	21.78
ATOM	278	CA	LEU	Α	32	8.207	22.877	6.117	1.00	21.43
ATOM	279	CB	LEU	A	32	8.544	22.349	7.515	1.00	22.42
ATOM	280	CG	LEU	Α	32	7.599	22.865	8.597	1.00	22.76
ATOM	281	CD1	LEU	A	32	6.170	22.410	8.334	1.00	23.25
ATOM	282	CD2	LEU	A	32	8.060	22.407	9.976	1.00	22.89
ATOM	283	C	LEU	A	32	8.547	24.365	6.014	1.00	20.99
ATOM	284	0	LEU	A	32	7.801	25.152	5.414	1.00	20.51
ATOM	285	N	CYS	A	33	9.712	24.716	6.533	1.00	21.11
ATOM	287 .	CA	CYS	A	33	10.181	26.103	6.497	1.00	20.83
ATOM	288	CB	CYS	A	33	10.731	26.453	7.873	1.00	21.69
ATOM	289	SG	CYS	A	33	9.540	26.401	9.225	1.00	21.95
ATOM	290	C	CYS	A	33	11.280	26.263	5.454	1.00	20.22
ATOM	291	o	CYS	A	33	12.394	25.764	5.641	1.00	20.04
ATOM	292	N	ALA	A	34	10.950	26.901	4.340	1.00	20.02
ATOM	294	CA	ALA	A	34	11.963	27.127	3.294	1.00	19.55
ATOM	295	CB	ALA	A	34	12.020	25.927	2.347	1.00	20.28
ATOM	296	C	ALA	A	34	11.870	28.478	2.542	1.00	19.00
111011	270		1	1 2 4	54	1.1.070	20.770	1 2.372	1.00	17.00

ATOM 298	ATOM	297	0	ALA	Α	34	12.598	29.398	2.938	1.00	18.64
ATOM 299 CA PRO A 35 11.203 29.563 A471 1.00 18.6											
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ATOM 322 OH TYR A 37 11.783 30.899 11.364 1.00 21.8 ATOM 323 CE2 TYR A 37 11.615 29.843 9.233 1.00 20.8 ATOM 324 CD2 TYR A 37 11.488 29.934 7.857 1.00 20.3 ATOM 325 C TYR A 37 13.418 32.291 5.031 1.00 18.5 ATOM 326 O TYR A 37 13.418 32.291 5.031 1.00 18.5 ATOM 327 N CYS A 38 13.973 31.887 3.897 1.00 18.2 ATOM 329 CA CYS A 38 15.805 30.492 3.156 1.00 18.3 ATOM 330 CB CYS A 38 15.805 30.492 3.156 1.00 18.3 ATOM 331 SG CYS A 38 17.572 30.172 2.943 1.00 19.0 ATOM 332 C CYS A 38 17.572 30.172 2.943 1.00 17.5 ATOM 333 O CYS A 38 17.697 33.330 2.693 1.00 17.5 ATOM 334 N VAL A 39 14.304 34.510 1.035 1.00 17.5 ATOM 336 CA VAL A 39 15.210 34.551 1.035 1.00 17.3 ATOM 337 CB VAL A 39 14.334 35.745 1.018 1.00 17.3 ATOM 338 CG1 VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 339 CG2 VAL A 39 14.333 35.745 1.018 1.00 17.4 ATOM 330 CV VAL A 39 14.334 33.244 0.913 1.00 17.4 ATOM 330 CV VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 330 CV VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.5 ATOM 340 C VAL A 3											21.08
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ATOM 324 CD2 TYR A 37 11.488 29.934 7.857 1.00 20.3 ATOM 325 C TYR A 37 13.418 32.291 5.031 1.00 18.5 ATOM 326 O TYR A 37 14.058 32.505 6.068 1.00 18.5 ATOM 327 N CYS A 38 13.973 31.887 3.897 1.00 18.2 ATOM 329 CA CYS A 38 15.424 31.862 3.711 1.00 18.0 ATOM 330 CB CYS A 38 15.805 30.492 3.156 1.00 18.3 ATOM 331 CS CYS A 38 15.805 30.492 3.156 1.00 19.0 ATOM 332 C CYS A 38 15.805 30.492 2.731 1.00 17.0 ATOM 333 C CYS A 38 15.805 30.3492 2.731 1.00 17.0 ATOM 333 O CYS A 38 15.805 30.3492 2.731 1.00 17.0 ATOM 333 O CYS A 38 17.037 33.330 2.693 1.00 17.5 ATOM 334 N VAL A 39 14.304 41.960 1.00 17.3 ATOM 336 CA VAL A 39 15.210 34.551 1.005 1.00 17.0 ATOM 337 CB VAL A 39 14.333 35.745 1.018 1.00 17.8 ATOM 338 CG1 VAL A 39 14.333 35.745 1.018 1.00 17.8 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33.244 0.913 1.00 17.4 ATOM 340 C VAL A 39 14.314 33											21.89
ATOM 325 C TYR A 37 13.418 32.291 5.031 1.00 18.5 ATOM 326 O TYR A 37 14.088 32.505 6.068 1.00 18.7 ATOM 327 N CYS A 38 13.973 31.887 3.897 1.00 18.2 ATOM 329 CA CYS A 38 15.805 30.492 3.156 1.00 18.0 ATOM 330 CB CYS A 38 15.805 30.492 3.156 1.00 18.3 ATOM 331 SG CYS A 38 15.805 30.172 2.943 1.00 19.0 ATOM 332 C CYS A 38 15.860 32.949 2.731 1.00 17.5 ATOM 334 N VAL A 39 14.908 33.454 1.960 1.00 17.3											20.85
ATOM 326 O TYR A 37 14.058 32.505 6.068 1.00 18.7 ATOM 327 N CYS A 38 13.973 31.887 3.897 1.00 18.2 ATOM 329 CA CYS A 38 15.424 31.862 3.711 1.00 18.0 ATOM 330 CB CYS A 38 15.805 30.492 3.156 1.00 18.3 ATOM 331 SG CYS A 38 15.805 32.492 2.731 1.00 17.0 ATOM 332 C CYS A 38 15.860 32.949 2.731 1.00 17.5 ATOM 333 O CYS A 38 17.037 33.330 2.693 1.00 17.5 ATOM 334 N VAL A 39 15.210 34.551 1.035 1.00 17.3											20.30
ATOM 327 N CYS A 38 13.973 31.887 3.897 1.00 18.2 ATOM 329 CA CYS A 38 15.424 31.862 3.711 1.00 18.0 ATOM 330 CB CYS A 38 15.805 30.492 3.156 1.00 18.3 ATOM 331 SG CYS A 38 15.860 32.949 2.731 1.00 19.0 ATOM 332 C CYS A 38 15.860 32.949 2.731 1.00 19.0 ATOM 333 O CYS A 38 15.860 32.949 2.731 1.00 17.5 ATOM 334 N VAL A 39 14.908 33.454 1.960 1.00 17.3 ATOM 336 CA VAL A 39 14.94 34.530 -0.105 1.00 17.2											18.56
ATOM 329 CA CYS A 38 15.424 31.862 3.711 1.00 18.0 ATOM 330 CB CYS A 38 15.805 30.492 3.156 1.00 18.3 ATOM 331 SG CYS A 38 17.572 30.172 2.943 1.00 19.0 ATOM 332 C CYS A 38 15.860 32.949 2.731 1.00 17.5 ATOM 334 N VAL A 39 14.908 33.454 1.960 1.00 17.3 ATOM 336 CA VAL A 39 14.908 33.454 1.960 1.00 17.3 ATOM 337 CB VAL A 39 14.914 34.530 0.105 1.00 17.3 ATOM 338 CGI VAL A 39 14.333 35.745 1.018 1.00 17.8											18.70
ATOM 330 CB CYS A 38 15,805 30,492 3.156 1,00 18,3 ATOM 331 SG CYS A 38 17,572 30,172 2,943 1,00 19,0 ATOM 332 C CYS A 38 15,860 32,949 2,731 1,00 17,0 17,5 ATOM 333 O CYS A 38 17,037 33,330 2,693 1,00 17,5 ATOM 334 N VAL A 39 14,908 33,444 1,960 1,00 17,3 ATOM 337 CB VAL A 39 15,210 34,550 0,105 1,00 17,2 ATOM 338 CGI VAL A 39 14,333 35,745 -1,018 1,00 17,8 ATOM 340 C VAL A 39 14,314 33,244 -9,913 1,00											18.26
ATOM 331 SG CYS A 38 17.572 30.172 2.943 1.00 19.0 ATOM 332 C CYS A 38 15.860 32.949 2.731 1.00 17.5 ATOM 333 O CYS A 38 17.037 33.30 2.693 1.00 17.5 ATOM 334 N VAL A 39 14.908 33.454 1.960 1.00 17.3 ATOM 336 CA VAL A 39 14.903 34.551 1.035 1.00 17.0 ATOM 337 CB VAL A 39 14.943 34.530 -0.105 1.00 17.3 ATOM 338 CGI VAL A 39 14.333 35.745 -1.018 1.00 17.8 ATOM 340 C VAL A 39 14.314 33.244 -0.913 1.00 16.5											18.03
ATOM 332 C CYS A 38 15.860 32.949 2.731 1.00 17.5 ATOM 333 O CYS A 38 17.037 33.330 2.693 1.00 17.5 ATOM 334 N VAL A 39 14.908 33.454 1.960 1.00 17.3 ATOM 337 CB VAL A 39 15.210 34.551 1.035 1.00 17.3 ATOM 337 CB VAL A 39 14.333 35.745 -1.018 1.00 17.8 ATOM 338 CGI VAL A 39 14.333 35.745 -1.018 1.00 17.8 ATOM 340 C VAL A 39 14.314 33.244 -9.913 1.00 16.5											18.35
ATOM 333 O CYS A 38 17.037 33.330 2.693 1.00 17.5 ATOM 334 N VAL A 39 14.908 33.454 1.960 1.00 17.3 ATOM 336 CA VAL A 39 15.210 34.551 1.035 1.00 17.0 ATOM 337 CB VAL A 39 14.194 34.530 -0.105 1.00 17.0 ATOM 338 CG1 VAL A 39 14.194 34.530 -0.105 1.00 17.0 ATOM 339 CG2 VAL A 39 14.314 33.244 -0.913 1.00 17.8 ATOM 340 C VAL A 39 15.149 35.880 1.781 1.00 16.5											19.04
ATOM 334 N VAL A 39 14.908 33.454 1.960 1.00 17.3 ATOM 336 CA VAL A 39 15.10 34.551 1.035 1.00 17.0 ATOM 337 CB VAL A 39 14.194 34.530 -0.105 1.00 17.8 ATOM 338 CGI VAL A 39 14.333 35.745 1.018 1.00 17.8 ATOM 339 CG2 VAL A 39 14.314 33.244 -0.913 1.00 17.4 ATOM 340 C VAL A 39 15.149 35.880 1.781 1.00 16.5											17.59
ATOM 336 CA VAL A 39 15.210 34.551 1.035 1.00 17.0 ATOM 337 CB VAL A 39 14.194 34.530 -0.105 1.00 17.3 ATOM 338 CG1 VAL A 39 14.333 35.745 -1.018 1.00 17.8 ATOM 339 CG2 VAL A 39 14.314 33.244 -0.913 1.00 17.4 ATOM 340 C VAL A 39 15.149 35.880 1.781 1.00 16.5											17.59
ATOM 337 CB VAL A 39 14.194 34.530 -0.105 1.00 17.3 ATOM 338 CGI VAL A 39 14.333 35.745 -1.018 1.00 17.8 ATOM 339 CG2 VAL A 39 14.314 33.244 -0.913 1.00 17.4 ATOM 340 C VAL A 39 15.149 35.880 1.781 1.00 16.5											17.35
ATOM 338 CGI VAL A 39 14.333 35.745 1.018 1.00 17.8 ATOM 339 CG2 VAL A 39 14.314 33.244 -0.913 1.00 17.4 ATOM 340 C VAL A 39 15.149 35.880 1.781 1.00 16.5											
ATOM 339 CG2 VAL A 39 14.314 33.244 -0.913 1.00 17.4 ATOM 340 C VAL A 39 15.149 35.880 1.781 1.00 16.5											17.39
ATOM 340 C VAL A 39 15.149 35.880 1.781 1.00 16.5											17.82
											17.41
											16.57
											16.13
ATOM 342 N SER A 40 14.231 35.949 2.726 1.00 16.8											16.82
											16.58
											17.10
											17.63
											16.18
											16.02
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											15.95
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											16.77
											16.71
											15.51
											15.39
											15.56
											15.32
											15.56
ATOM 360 C ALA A 42 14.074 35.757 10.620 1.00 15.3	LATOM	360	l C	LALA	A	_42	14.074	35.757	10.620	1.00	15.35

ATOM 364	· most										
ATOM 364 CA											15.57
ATOM 365 CB ASN A 43 12.840 33.244 12.961 1.00 15.84 ATOM 366 CG ASN A 43 11.718 34.223 13.290 1.00 15.75 ATOM 367 ODI ASN A 43 11.957 35.352 13.733 1.00 15.75 ATOM 368 ND2 ASN A 43 11.957 35.352 13.733 1.00 15.75 ATOM 368 ND2 ASN A 43 10.500 33.783 13.031 1.00 15.84 ATOM 371 C ASN A 43 10.500 33.783 13.031 1.00 15.84 ATOM 372 O ASN A 43 13.024 32.956 11.791 1.00 15.14 ATOM 372 O ASN A 43 14.746 31.882 11.237 1.00 14.94 ATOM 373 N ALA A 44 16.258 33.361 12.016 1.00 15.44 ATOM 375 CA ALA A 44 16.258 33.361 12.016 1.00 15.44 ATOM 376 CB ALA A 44 17.689 31.461 12.680 1.00 14.94 ATOM 377 C ALA A 44 17.239 31.539 13.828 1.00 14.94 ATOM 378 O ALA A 44 17.239 31.539 13.828 1.00 14.94 ATOM 379 N PRO A 45 18.323 30.397 12.217 1.00 14.55 ATOM 380 CA PRO A 45 18.417 30.065 10.794 1.00 14.05 ATOM 381 CB PRO A 45 18.914 29.328 13.016 1.00 15.04 ATOM 382 CG PRO A 45 18.914 29.328 13.016 1.00 15.04 ATOM 384 C PRO A 45 18.914 29.328 13.016 1.00 15.54 ATOM 385 O PRO A 45 18.914 29.328 13.016 1.00 15.54 ATOM 386 N SER A 46 16.093 29.241 10.684 1.00 12.64 ATOM 389 CB SER A 46 14.710 27.579 9.315 1.00 12.64 ATOM 390 OG SER A 46 14.710 27.579 9.315 1.00 11.47 ATOM 391 C SER A 46 14.710 27.579 9.315 1.00 10.34 ATOM 399 O ALA A 47 15.892 26.992 6.995 1.00 12.64 ATOM 399 O ALA A 47 15.892 26.992 6.995 1.00 10.34 ATOM 390 OG SER A 46 14.710 27.579 9.315 1.00 11.47 ATOM 391 C SER A 46 14.710 27.579 9.315											
ATOM 366 CG ASN A 43 11.718 34.223 13.290 1.00 15.77											
ATOM 367 ODI ASN A 43 11,957 35,352 13,733 1.00 15.55											
ATOM 368 ND2 ASN A 43 10.500 33.783 13.031 1.00 15.88											
ATOM 371											
ATOM 372											
ATOM 375											15.19
ATOM 375 CA ALA A 44 17.414 32.551 11.648 1.00 15.44 ATOM 376 CB ALA A 44 17.618 33.479 11.534 1.00 16.71 ATOM 377 C ALA A 44 17.689 31.461 12.680 1.00 14.91 ATOM 378 O ALA A 44 17.639 31.461 12.680 1.00 14.91 ATOM 379 N PRO A 45 18.323 30.397 12.217 1.00 14.55 ATOM 380 CA PRO A 45 18.323 30.397 12.217 1.00 14.55 ATOM 381 CB PRO A 45 19.749 29.386 10.732 1.00 15.00 ATOM 382 CG PRO A 45 19.749 29.386 10.732 1.00 15.00 ATOM 383 CD PRO A 45 19.991 28.754 12.102 1.00 15.50 ATOM 383 CD PRO A 45 19.991 28.754 12.102 1.00 15.50 ATOM 384 C PRO A 45 18.914 29.328 13.016 1.00 15.50 ATOM 385 O PRO A 45 17.726 28.150 9.594 1.00 12.60 ATOM 386 N SER A 46 15.135 28.120 10.687 1.00 12.10 ATOM 388 CA SER A 46 15.135 28.120 10.687 1.00 12.10 ATOM 390 OG SER A 46 14.710 27.579 9.315 1.00 12.30 ATOM 391 C SER A 46 14.710 27.579 9.315 1.00 10.30 ATOM 393 N ALA A 47 14.791 27.767 6.902 1.00 10.30 ATOM 395 CA ALA A 47 14.791 27.767 6.902 1.00 10.30 ATOM 396 CB ALA A 47 14.791 27.767 6.902 1.00 10.30 ATOM 397 C ALA A 47 15.008 28.290 8.241 1.00 10.43 ATOM 398 O ALA A 47 15.008 28.290 8.241 1.00 10.43 ATOM 402 CB TYR A 48 19.448 26.926 6.935 1.00 13.44 ATOM 403 CG TYR A 48 19.448 26.926 6.935 1.00 13.44 ATOM 404 CD TYR A 48 12.991 25.194 4.703 1.00 13.44 ATOM 407 OH TYR A 48 12.991 25.194 4.703 1.00 10.31 ATOM 407 OH TYR A 48 12.193 24.194 5.203 1.00 10.31 ATOM 407 OH TYR A 48 12.193 24.194 5.203 1.00											14.96
ATOM 376 CB ALA A 44 18.618 33.479 11.534 1.00 16.77											15.41
ATOM 377 C											15.49
ATOM 378											16.78
ATOM 379 N PRO A 45 18.323 30.397 12.217 1.00 14.5 ATOM 380 CA PRO A 45 18.417 30.065 10.794 1.00 14.5 ATOM 381 CB PRO A 45 19.749 29.386 10.732 1.00 15.7 ATOM 382 CG PRO A 45 19.991 28.754 12.102 1.00 15.7 ATOM 383 CD PRO A 45 19.991 28.754 12.102 1.00 15.7 ATOM 384 C PRO A 45 19.991 28.754 12.102 1.00 15.7 ATOM 384 C PRO A 45 17.366 29.040 10.370 1.00 13.1 ATOM 385 O PRO A 45 17.366 29.040 10.370 1.00 13.1 ATOM 386 N SER A 46 16.093 29.241 10.684 1.00 12.9 ATOM 388 CA SER A 46 16.093 29.241 10.684 1.00 12.9 ATOM 389 CB SER A 46 15.135 28.120 10.687 1.00 12.1 ATOM 390 OG SER A 46 14.304 29.125 12.688 1.00 13.0 ATOM 391 C SER A 46 14.304 29.125 12.688 1.00 13.0 ATOM 392 O SER A 46 14.710 27.579 9.315 1.00 11.4 ATOM 393 N ALA A 47 15.008 28.290 8.241 1.00 10.9 ATOM 396 CB ALA A 47 15.008 28.290 8.241 1.00 10.7 ATOM 396 CB ALA A 47 14.749 27.767 6.902 1.00 10.8 ATOM 397 C ALA A 47 14.344 28.923 5.995 1.00 11.5 ATOM 398 O ALA A 47 15.892 26.992 6.00 10.7 ATOM 399 N TYR A 48 17.013 26.957 6.995 1.00 10.7 ATOM 401 CA TYR A 48 17.013 26.957 6.995 1.00 10.3 ATOM 402 CB TYR A 48 12.991 25.194 4.703 1.00 10.3 ATOM 404 CD1 TYR A 48 21.991 25.194 4.703 1.00 10.3 ATOM 406 CZ TYR A 48 21.991 25.194 5.033 1.00 1.5 ATOM 406 CZ TYR A 48 21.733 25.985 7.339 1.00 1.5 ATOM 407 OH TYR A 48 22.994 25.338 6.929 1.00 11.5 ATOM 408 CC2 TYR A 48 21.733 24.194 5.203 1.00 1.5 ATOM 401 C TYR A											14.95
ATOM 380 CA PRO A 45 18.417 30.065 10.794 1.00 14.05 ATOM 381 CB PRO A 45 19.749 29.386 10.732 1.00 15.05 ATOM 382 CG PRO A 45 19.749 29.386 10.732 1.00 15.05 ATOM 383 CD PRO A 45 18.914 29.328 13.016 1.00 15.55 ATOM 384 C PRO A 45 18.914 29.328 13.016 1.00 15.55 ATOM 385 C PRO A 45 17.726 28.150 9.594 1.00 12.65 ATOM 386 N SER A 46 16.093 29.241 10.684 1.00 12.95 ATOM 388 CA SER A 46 15.135 28.120 10.687 1.00 12.15 ATOM 389 CB SER A 46 13.896 28.570 11.446 1.00 12.35 ATOM 390 GO SER A 46 14.710 27.579 9.315 1.00 11.45 ATOM 391 C SER A 46 14.710 27.579 9.315 1.00 11.45 ATOM 392 O SER A 46 14.710 27.579 9.315 1.00 11.45 ATOM 393 N ALA A 47 15.008 28.290 8.241 1.00 11.45 ATOM 396 CB ALA A 47 14.719 27.767 6.902 1.00 10.87 ATOM 397 C ALA A 47 14.719 27.767 6.902 1.00 10.87 ATOM 398 O ALA A 47 15.008 28.290 8.241 1.00 10.73 ATOM 399 O ALA A 47 15.892 26.992 6.294 1.00 10.73 ATOM 399 N TYR A 48 17.712 26.175 6.553 1.00 12.05 ATOM 401 CA TYR A 48 19.448 26.926 6.935 1.00 12.05 ATOM 403 CG TYR A 48 19.448 26.926 6.935 1.00 13.44 ATOM 404 CDI TYR A 48 21.991 25.194 4.703 1.00 10.37 ATOM 407 OH TYR A 48 21.991 25.194 4.703 1.00 10.37 ATOM 407 OH TYR A 48 21.991 25.194 4.703 1.00 10.37 ATOM 407 OH TYR A 48 21.991 25.194 4.703 1.00 10.37 ATOM 407 OH TYR A 48 21.991 25.194 4.703 1.00 10.37 ATOM 407 OH TYR A 48 21.991 25.194 4.703 1.00 10.37 ATOM 407 OH TYR A 48 21.991 25.194 4.703 1.00 10.											
ATOM 381 CB PRO A 45 19.749 29.386 10.732 1.00 15.00 ATOM 382 CG PRO A 45 19.991 28.754 12.102 1.00 15.70 ATOM 383 CD PRO A 45 19.991 28.754 12.102 1.00 15.70 ATOM 384 C PRO A 45 17.366 29.040 10.370 1.00 13.10 ATOM 385 C PRO A 45 17.266 29.040 10.370 1.00 13.10 ATOM 386 N PRO A 45 17.726 28.150 9.594 1.00 12.60 ATOM 386 N SER A 46 16.093 29.241 10.684 1.00 12.90 ATOM 388 CA SER A 46 15.135 28.120 10.687 1.00 12.10 ATOM 389 CB SER A 46 14.396 28.570 11.446 1.00 12.30 ATOM 390 OG SER A 46 14.396 28.570 11.446 1.00 12.30 ATOM 391 C SER A 46 14.394 29.125 12.688 1.00 13.00 ATOM 392 O SER A 46 14.251 26.433 9.244 1.00 10.99 ATOM 395 CA ALA A 47 15.008 28.290 8.241 1.00 10.99 ATOM 396 CB ALA A 47 14.719 27.767 6.902 1.00 10.81 ATOM 397 C ALA A 47 14.344 28.923 5.995 1.00 11.50 ATOM 398 O ALA A 47 15.892 26.992 6.294 1.00 10.75 ATOM 398 O ALA A 47 15.772 26.447 5.193 1.00 10.75 ATOM 397 C ALA A 47 15.772 26.447 5.193 1.00 10.75 ATOM 398 O ALA A 47 15.772 26.447 5.193 1.00 10.75 ATOM 401 CA TYR A 48 11.77 26.175 6.553 1.00 13.44 ATOM 402 CB TYR A 48 19.448 26.926 6.935 1.00 12.00 ATOM 403 CG TYR A 48 20.842 25.842 5.134 1.00 13.44 ATOM 404 CD1 TYR A 48 21.753 25.985 7.359 1.00 15.30 ATOM 404 CD1 TYR A 48 21.753 25.985 7.359 1.00 15.30 ATOM 407 OH TYR A 48 21.753 25.985 7.359 1.00 15.30 ATOM 409 CD2 TYR A 48 21.753 25.985 7.359 1.00 13.45 ATOM 401 C TYR A 48 21.753 25.985 7.359 1.00 15											
ATOM 382 CG PRO A 45 19.991 28.754 12.102 1.00 15.75 ATOM 383 CD PRO A 45 18.914 29.328 13.016 1.00 15.55 ATOM 384 C PRO A 45 17.366 29.040 10.370 1.00 13.15 ATOM 385 O PRO A 45 17.366 29.040 10.370 1.00 12.65 ATOM 386 N SER A 46 16.093 29.241 10.684 1.00 12.95 ATOM 388 CA SER A 46 15.135 28.120 10.687 1.00 12.15 ATOM 389 CB SER A 46 13.896 28.570 11.446 1.00 12.35 ATOM 390 OG SER A 46 14.304 29.125 12.688 1.00 13.05 ATOM 391 C SER A 46 14.304 29.125 12.688 1.00 13.05 ATOM 392 O SER A 46 14.710 27.579 9.315 1.00 11.45 ATOM 393 N ALA A 47 15.008 28.290 8.241 1.00 10.95 ATOM 395 CA ALA A 47 15.008 28.290 8.241 1.00 10.95 ATOM 396 CB ALA A 47 14.344 28.923 5.995 1.00 10.86 ATOM 397 C ALA A 47 15.892 26.992 6.994 1.00 10.75 ATOM 398 O ALA A 47 15.892 26.992 6.994 1.00 10.75 ATOM 399 N TYR A 48 17.013 26.957 6.995 1.00 12.05 ATOM 4002 CB TYR A 48 17.013 26.957 6.995 1.00 12.05 ATOM 401 CA TYR A 48 19.448 26.926 6.935 1.00 13.45 ATOM 402 CB TYR A 48 12.991 25.194 4.703 1.00 10.35 ATOM 404 CD1 TYR A 48 21.991 25.194 4.703 1.00 10.35 ATOM 405 CE1 TYR A 48 22.904 25.338 6.929 1.00 15.33 ATOM 406 CZ TYR A 48 22.904 25.338 6.929 1.00 15.33 ATOM 407 OH TYR A 48 24.103 24.194 5.203 1.00 10.55 ATOM 408 CE2 TYR A 48 12.751 24.374 8.323 1.00 10.35 ATOM 401 CA TYR A 48 12.751 25.858 7.359 1.00 15.33 ATOM 401 C TYR A 48 12.912 24.374 8.323 1.00 10.15 ATOM 401 C TYR A 48 12.912 24.374 8.323 1.00							18.417				14.09
ATOM 383											15.04
ATOM 384 C PRO A 45 17.366 29.040 10.370 1.00 13.14 ATOM 385 O PRO A 45 17.726 28.150 9.594 1.00 12.6 ATOM 386 N SER A 46 16.093 29.241 10.684 1.00 12.9 ATOM 388 CA SER A 46 16.093 29.241 10.684 1.00 12.9 ATOM 389 CB SER A 46 15.135 28.120 10.687 1.00 12.1 ATOM 390 OG SER A 46 14.396 28.570 11.446 1.00 12.3 ATOM 391 C SER A 46 14.304 29.125 12.688 1.00 13.0 ATOM 392 O SER A 46 14.710 27.579 9.315 1.00 11.4 ATOM 392 O SER A 46 14.710 27.579 9.315 1.00 11.4 ATOM 393 N ALA A 47 15.008 28.290 8.241 1.00 10.9 ATOM 395 C ALA A 47 15.008 28.290 8.241 1.00 10.9 ATOM 396 CB ALA A 47 14.344 28.923 5.995 1.00 11.5 ATOM 397 C ALA A 47 15.772 26.992 6.294 1.00 10.7 ATOM 398 O ALA A 47 15.772 26.992 6.294 1.00 10.7 ATOM 399 N TYR A 48 17.013 26.957 6.995 1.00 12.0 ATOM 401 CA TYR A 48 17.013 26.957 6.995 1.00 12.0 ATOM 402 CB TYR A 48 18.177 26.175 6.553 1.00 12.8 ATOM 404 CD1 TYR A 48 27.994 26.292 6.463 1.00 13.4 ATOM 404 CD1 TYR A 48 27.994 25.398 5.030 10.0 13.4 ATOM 406 CZ TYR A 48 22.994 25.338 6.929 1.00 15.3 ATOM 409 CD2 TYR A 48 22.994 25.338 6.929 1.00 15.3 ATOM 401 C TYR A 48 22.191 25.194 4.703 1.00 10.3 ATOM 407 OH TYR A 48 22.191 25.194 5.033 1.00 10.5 ATOM 408 CE2 TYR A 48 22.191 25.194 5.033 1.00 10.5 ATOM 401 C TYR A 48 22.194 25.338 6.929 1.00 15.3 ATOM 401 C TYR A 48 22.194 25.338 6.929 1.00 15.3 ATOM 401 C TYR A 48 22.194 25.338 6.929 1.00 15.3 ATOM 401 C TYR											15.75
ATOM 385 O PRO A 45 17.726 28.150 9.594 1.00 12.6 ATOM 386 N SER A 46 16.093 29.241 10.684 1.00 12.9 ATOM 388 CA SER A 46 15.155 28.120 10.687 1.00 12.1 ATOM 389 CB SER A 46 13.185 28.210 10.687 1.00 12.3 ATOM 390 OG SER A 46 14.304 29.125 12.688 1.00 13.0 ATOM 391 C SER A 46 14.710 27.579 9.315 1.00 11.4 ATOM 392 O SER A 46 14.710 27.579 9.315 1.00 11.4 ATOM 393 N ALA A 47 15.008 28.290 8.241 1.00 11.4 ATOM 393 N ALA A 47 15.008 28.290 8.241 1.00 10.9 ATOM 395 CA ALA A 47 14.719 27.767 6.902 1.00 10.8 ATOM 396 CB ALA A 47 14.719 27.767 6.902 1.00 10.8 ATOM 397 C ALA A 47 15.892 26.992 6.294 1.00 10.7 ATOM 398 O ALA A 47 15.892 26.992 6.294 1.00 10.7 ATOM 399 N TYR A 48 17.013 26.957 6.995 1.00 12.0 ATOM 401 CA TYR A 48 17.013 26.957 6.995 1.00 12.0 ATOM 402 CB TYR A 48 20.719 26.229 6.463 1.00 13.4 ATOM 404 CDI TYR A 48 21.991 25.194 4.703 1.00 10.3 ATOM 405 CEI TYR A 48 21.991 25.194 4.703 1.00 13.4 ATOM 407 OH TYR A 48 24.103 24.194 5.203 1.00 13.4 ATOM 407 OH TYR A 48 22.904 25.338 6.929 1.00 14.6 ATOM 407 OH TYR A 48 22.904 25.338 6.929 1.00 14.6 ATOM 407 OH TYR A 48 22.193 24.194 5.203 1.00 15.4 ATOM 407 OH TYR A 48 24.103 24.194 5.203 1.00 15.4 ATOM 407 OH TYR A 48 24.103 24.194 5.203 1.00 15.4 ATOM 407 OH TYR A 48 24.103 24.194 5.203 1.00 10.15 ATOM 407 OH TYR A 48 24.103 24.194 5.203 1.00 10.15 ATOM 408 CE2 TYR A 48 12.751 24.374 8.323 1.00 11.6 ATOM 407 OH T											15.56
ATOM 386 N SER A 46 16.093 29.241 10.684 1.00 12.95 ATOM 388 CA SER A 46 15.135 28.120 10.687 1.00 12.15 ATOM 389 CB SER A 46 15.135 28.120 10.687 1.00 12.15 ATOM 390 OG SER A 46 14.396 28.570 11.446 1.00 12.36 ATOM 390 OG SER A 46 14.304 29.125 12.688 1.00 13.04 ATOM 391 C SER A 46 14.304 29.125 12.688 1.00 13.04 ATOM 392 O SER A 46 14.251 26.433 9.244 1.00 10.95 ATOM 392 O SER A 46 14.251 26.433 9.244 1.00 10.95 ATOM 395 CA ALA A 47 15.008 28.290 8.241 1.00 10.95 ATOM 396 CB ALA A 47 14.344 28.923 5.995 1.00 11.45 ATOM 397 C ALA A 47 14.344 28.923 5.995 1.00 10.75 ATOM 398 O ALA A 47 15.772 26.925 6.294 1.00 10.75 ATOM 399 N TYR A 48 17.013 26.957 6.995 1.00 12.05 ATOM 401 CA TYR A 48 18.177 26.175 6.553 1.00 12.05 ATOM 402 CB TYR A 48 18.177 26.175 6.553 1.00 12.85 ATOM 404 CD1 TYR A 48 20.842 25.842 5.134 1.00 13.45 ATOM 404 CD1 TYR A 48 20.719 26.222 6.463 1.00 13.45 ATOM 406 CZ TYR A 48 24.103 24.194 5.203 1.00 15.31 ATOM 409 CD2 TYR A 48 22.994 25.338 6.929 1.00 15.31 ATOM 409 CD2 TYR A 48 22.7994 25.338 6.929 1.00 15.31 ATOM 409 CD2 TYR A 48 22.7994 25.338 6.929 1.00 15.31 ATOM 401 C TYR A 48 24.103 24.194 5.203 1.00 15.31 ATOM 401 C TYR A 48 24.103 24.194 5.203 1.00 15.31 ATOM 401 C TYR A 48 24.103 24.194 5.203 1.00 15.31 ATOM 401 C TYR A 48 24.103 24.194 5.203 1.00 15.31 ATOM 403 CG TYR A 48 24.103 24.194 5.203 1.00 15.31 ATOM 409 CD2 TYR A 48 24.103 24.194 5.203 1.00											13.14
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ATOM 389											12.99
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ATOM 395 CA ALA A 47 14.719 27.767 6.902 1.00 10.88 ATOM 396 CB ALA A 47 14.344 28.923 5.995 1.00 11.51 ATOM 397 C ALA A 47 14.344 28.923 5.995 1.00 11.51 ATOM 398 O ALA A 47 15.892 26.994 6.294 1.00 10.73 ATOM 398 O ALA A 47 15.772 26.447 5.193 1.00 10.33 ATOM 399 N TYR A 48 17.013 26.957 6.995 1.00 12.00 ATOM 401 CA TYR A 48 18.177 26.175 6.553 1.00 11.88 ATOM 402 CB TYR A 48 19.448 26.926 6.935 1.00 12.88 ATOM 403 CG TYR A 48 20.719 26.229 6.463 1.00 13.48 ATOM 404 CD1 TYR A 48 20.842 25.842 5.134 1.00 13.98 ATOM 405 CE1 TYR A 48 21.799 25.194 4.703 1.00 14.50 ATOM 406 CZ TYR A 48 23.016 24.938 5.603 1.00 15.31 ATOM 407 OH TYR A 48 22.904 25.338 6.929 1.00 14.50 ATOM 408 CE2 TYR A 48 22.904 25.338 6.929 1.00 15.31 ATOM 409 CD2 TYR A 48 21.753 25.985 7.359 1.00 13.55 ATOM 410 C TYR A 48 8.628 23.860 6.261 1.00 11.55 ATOM 411 O TYR A 48 8.628 23.860 6.261 1.00 11.55 ATOM 412 N PRO A 49 17.932 22.951 8.679 1.00 10.95 ATOM 414 CB PRO A 49 17.660 22.880 10.145 1.00 11.35 ATOM 414 CB PRO A 49 17.660 22.880 10.167 1.00 11.35 ATOM 416 CD PRO A 49 17.545 25.195 9.489 1.00 11.45 ATOM 416 CD PRO A 49 17.545 25.195 9.489 1.00 11.45 ATOM 416 CD PRO A 49 17.545 25.195 9.489 1.00 11.45 ATOM 416 CD PRO A 49 17.545 25.195 9.489 1.00 11.54 ATOM 416 CD PRO A 49 17.545 25.195 9.489 1.00 11.54 ATOM 416 CD PRO A 49 17.545 25.195 9.489 1.00 11.54 ATOM 416 CD PRO A 49 17.545 25.195 9.489 1.00 11.54					A					1.00	10.99
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ATOM 418 O PRO A 49 17.225 20.968 7.584 1.00 9.90											
ATOM 419 N ARG A 50 15.827 22.740 7.482 1.00 9.55											
ATOM 421 CA ARG A 50 14.794 22.014 6.748 1.00 8.74											
ATOM 422 CB ARG A 50 13.594 22.910 6.472 1.00 9.11											
ATOM 423 CG ARG A 50 12.455 22.038 5.975 1.00 9.19											
ATOM 424 CD ARG A 50 12.107 21.007 7.043 1.00 9.81											
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ATOM 426 CZ ARG A 50 10.609 19.062 7.276 1.00 11.3	ATOM	426	CZ	ARG	A	50	10.609	19.062	7.276	1.00	11.31

ATOM	427	NH1	ARG	A	50	10.725	19.129	8.604	1.00	12.00
ATOM	428	NH2	ARG	A	50	9.837	18.127	6.718	1.00	11.69
ATOM	429	C	ARG	A	50	15.308	21.335	5.466	1.00	8.18
ATOM	430	0	ARG	A	50	15.260	20.103	5.438	1.00	8.13
ATOM	431	N	PRO	A	51	15.873	22.027	4.482	1.00	7.98
ATOM	432	CA	PRO	A	51	16.236	21.311	3.255	1.00	7.63
ATOM	433	CB	PRO	A	51	16.414	22.386	2.227	1.00	8.38
ATOM	434	CG	PRO	A	51	16.443	23.742	2.908	1.00	9.01
ATOM	435	CD	PRO	A	51	16.118	23.472	4.362	1.00	8.97
ATOM	436	С	PRO	A	51	17.507	20.444	3.310	1.00	7.66
ATOM	437	0	PRO	Α	51	17.716	19.692	2.350	1.00	7.43
ATOM	438	N	SER	A	52	18.302	20.463	4.373	1.00	8.11
ATOM	440	CA	SER	A	52	19.584	19.749	4.262	1.00	8.31
ATOM	441	CB	SER	A	52	20.475	20.588	3.351	1.00	9.41
ATOM	442	OG	SER	A	52	20.648	21.850	3.986	1.00	10.16
ATOM	443	С	SER	A	52	20.376	19.533	5.550	1.00	7.49
ATOM	444	0	SER	A	52	21.315	18.726	5.531	1.00	7.60
ATOM	445	N	SER	A	53	20.008	20.183	6.640	1.00	6.82
ATOM	447	CA	SER	A	53	20.992	20.341	7.719	1.00	6.11
ATOM	448	CB	SER	A	53	21.021	21.802	8.132	1.00	8.00
ATOM	449	OG	SER	A	53	21.153	22.562	6.938	1.00	8.48
ATOM	450	С	SER	A	53	20.803	19.469	8.954	1.00	5.80
ATOM	451	0	SER	A	53	19.680	19.110	9.342	1.00	6.02
ATOM	452	N	THR	A	54	21.872	19.538	9.736	1.00	6.64
ATOM	454	CA	THR	A	54	22.105	18.732	10.950	1.00	6.72
ATOM ATOM	455	CB	THR	A	54	23.588	18.765	11.298	1.00	7.78
ATOM	456 457	OG1	THR	A	54	23.918	20.088	11.700	1.00	8.09
ATOM	457	CG2	THR	A	54	24.477	18.369	10.126	1.00	8.15
ATOM	459	0	THR	A	54	21.346	19.183	12.197	1.00	6.30
ATOM	460	N	THR	A	54	21.670	18.742	13.305	1.00	6.19
ATOM	462	CA		A	55 55	20.346	20.027	12.031	1.00	6.22
ATOM	463	CB	LYS	A	55	19.660 19.417	20.554	13.200	1.00	6.00
ATOM	464	CG	LYS	A	55	18.813	22.045	12.977	1.00	6.38
ATOM	465	CD	LYS	A	55	19.856	23.354	14.181 15.142	1.00	7.21 7.56
ATOM	466	CE	LYS	A	55	20.675	22.295	15.142	1.00	8.08
ATOM	467	NZ	LYS	A	55	21.674	22.293	16.753	1.00	8.26
ATOM	468	C	LYS	A	55	18.341	19.833	13.484	1.00	5.00
ATOM	469	O	LYS	A	55	17.994	19.685	14.661	1.00	5.17
ATOM	470	N	SER	A	56	17.660	19.312	12.470	1.00	4.28
ATOM	472	CA	SER	A	56	16.344	18.717	12.756	1.00	3.33
ATOM	473	CB	SER	A	56	15.358	19.866	12.730	1.00	2.95
ATOM	474	OG	SER	A	56	15.435	20.755	11.867	1.00	3.03
ATOM	475	C	SER	A	56	15.751	17.768	11.705	1.00	2.29
ATOM	476	Ō	SER	A	56	15.363	16.644	12.058	1.00	2.75
ATOM	477	N	THR	A	57	15.867	18.108	10.433	1.00	1.18
ATOM	479	CA	THR	A	57	14.941	17.542	9.435	1.00	0.39
ATOM	480	CB	THR	A	57	15.098	18.307	8.142	1.00	1.62
ATOM	481	OG1	THR	A	57	14.781	19.647	8.463	1.00	2.31
ATOM	482	CG2	THR	Α	57	14.113	17.803	7.097	1.00	2.10
ATOM	483	C	THR	A	57	14.971	16.022	9.224	1.00	0.19
ATOM	484	0	THR	Α	57	13.954	15.407	9.576	1.00	0.28
ATOM	485	N	PRO	Α	58	16.067	15.391	8.806	1.00	0.34
ATOM	486	CA	PRO	A	58	16.016	13.941	8.552	1.00	0.33
ATOM	487	CB	PRO	Α	58	17.316	13.606	7.896	1.00	1.25
ATOM	488	CG	PRO	A	58	18.167	14.854	7.779	1.00	1.43
ATOM	489	CD	PRO	Α	58	17.362	15.969	8.412	1.00	1.02
ATOM	490	С	PRO	Α	58	15.748	13.029	9.760	1.00	0.16

ATOM	491	0	PRO	A	58	15.268	11.914	9.523	1.00	0.19
ATOM	492	N	ALA	Α	59	15.759	13.536	10.987	1.00	0.18
ATOM	494	CA	ALA	Α	59	15.399	12.691	12.132	1.00	0.16
ATOM	495	CB	ALA	Α	59	15.816	13.375	13.426	1.00	0.63
ATOM	496	C	ALA	A	59	13.893	12.442	12.176	1.00	0.16
ATOM	497	0	ALA	A	59	13.474	11.296	12.374	1.00	0.31
ATOM	498	N	SER	A	60	13.125	13.402	11.685	1.00	0.01
ATOM	500	CA	SER	A	60	11.671	13.222	11.618	1.00	0.01
ATOM	501	CB	SER	A	60	10.987	14.584	11.676	1.00	0.23
ATOM	502	OG	SER	A	60	11.286	15.282	10.474	1.00	1.03
ATOM	503	C	SER	A	60	11.255	12.503	10.338	1.00	0.00
ATOM	504	0	SER	A	60	10.154	11.946	10.267	1.00	0.01
ATOM	505	N	GLN	A	61	12.183	12.377	9.404	1.00	0.01
ATOM	507	CA	GLN	A	61	11.887	11.693	8.150	1.00	0.00
ATOM	508	CB	GLN	A	61	12.694	12.362	7.050	1.00	0.37
ATOM	509	CG	GLN	A	61	12.342	13.843	6.975	1.00	1.02
ATOM	510	CD	GLN	A	61	13.163	14.531	5.893	1.00	1.17
ATOM	511	OEI	GLN	A	61	14.396	14.598	5.976	1.00	1.88
ATOM	512	NE2	GLN	A	61	12.459	15.114	4.939	1.00	1.51
ATOM	515	C	GLN	A	61	12.235	10.212	8.246	1.00	0.01
ATOM	516	0	GLN	A	61	11.542	9.376	7.652	1.00	0.01
ATOM	517	N	VAL	A	62	13.136	9.883	9.160	1.00	0.00
ATOM	519	CA	VAL	A	62	13.470	8.477	9.399	1.00	0.01
ATOM	520	CB	VAL	A	62	14.932	8.330	9.823	1.00	0.37
ATOM	521	CG1	VAL	A	62	15.873	8.901	8.768	1.00	0.73
ATOM	522	CG2	VAL	A	62	15.210	8.953	11.185	1.00	0.81
ATOM	523	C	VAL	A	62	12.547	7.846	10.441	1.00	0.01
ATOM	524	o	VAL	A	62	12.561	6.617	10.582	1.00	0.01
ATOM	525	N	TYR	A	63	11.609	8.627	10.964	1.00	0.00
ATOM	527	CA	TYR	A	63	10.620	8.144	11.940	1.00	0.01
ATOM	528	CB	TYR	A	63	9.681	9.308	12.252	1.00	0.95
ATOM	529	CG	TYR	A	63	8.348	8.934	12.904	1.00	1.26
ATOM	530	CD1	TYR	A	63	7.161	9.196	12.228	1.00	1.76
ATOM	531	CE1	TYR	A	63	5.941	8.859	12.802	1.00	2.50
ATOM	532	CZ	TYR	A	63	5.910	8.263	14.056	1.00	2.77
ATOM	533	OH	TYR	A	63	4.700	7.893	14.609	1.00	3.61
ATOM	534	CE2	TYR	A	63	7.092	8.010	14.738	1.00	2.43
ATOM	535	CD2	TYR	A	63	8.311	8.346	14.163	1.00	1.69
ATOM	536	С	TYR	A	63	9.786	6.981	11.420	1.00	0.01
ATOM	537	0	TYR	Α	63	9.729	5.938	12.085	1.00	0.00
ATOM	538	N	SER	Α	64	9.388	7.048	10.160	1.00	0.00
ATOM	540	CA	SER	Α	64	8.518	6.008	9.618	1.00	0.01
ATOM	541	CB	SER	A	64	7.937	6.501	8.301	1.00	0.07
ATOM	542	OG	SER	A	64	7.191	7.679	8.576	1.00	0.58
ATOM	543	С	SER	Α	64	9.271	4.708	9.388	1.00	0.00
ATOM	544	0	SER	A	64	8.802	3.659	9.844	1.00	0.01
ATOM	545	N	LEU	Α	65	10.541	4.814	9.043	1.00	0.01
ATOM	547	CA	LEU	A	65	11.302	3.606	8.729	1.00	0.00
ATOM	548	CB	LEU	Α	65	12.391	3.989	7.736	1.00	0.19
ATOM	549	CG	LEU	A	65	11.769	4.693	6.527	1.00	0.31
ATOM	550	CD1	LEU	A	65	12.829	5.223	5.568	1.00	0.42
ATOM	551	CD2	LEU	A	65	10.776	3.799	5.787	1.00	0.30
ATOM	552	С	LEU	Α	65	11.868	2.975	9.999	1.00	0.00
ATOM	553	0	LEU	A	65	11.751	1.751	10.154	1.00	0.01
ATOM	554	N	ASN	A	66	12.057	3.813	11.008	1.00	0.01
ATOM	556	CA	ASN	Α	66	12.478	3.354	12.336	1.00	0.01
ATOM	557	CB	ASN	Α	66	12.838	4.583	13.174	1.00	0.20
ATOM	558	CG	ASN	A	66	13.358	4.202	14.562	1.00	0.42
									1.00	2

ATOM	559	OD1	ASN	Α	66	14.527	3.832	14.714	1.00	1.44
ATOM	560	ND2	ASN	A	66	12.506	4.348	15.567	1.00	0.90
ATOM	563	С	ASN	A	66	11.341	2.604	13.017	1.00	0.01
ATOM	564	ō	ASN	A	66	11.543	1.472	13.473	1.00	0.01
ATOM	565	N	THR	A	67	10.125	3.104	12.857	1.00	0.00
ATOM	567	CA	THR	A	67	8.970	2.428	13.458	1.00	0.00
ATOM	568	CB	THR	A	67	7.800	3.398	13.595	1.00	
ATOM	569	OG1	THR	A	67	7.469	3.918			0.32
	570							12.315	1.00	1.02
ATOM		CG2	THR	A	67	8.152	4.565	14.508	1.00	1.22
ATOM	571	C	THR	A	67	8.546	1.202	12.655	1.00	0.01
ATOM	572	0	THR	A	67	8.146	0.206	13.268	1.00	0.00
ATOM	573	N	ASP	A	68	8.887	1.166	11.376	1.00	0.01
ATOM	575	CA	ASP	Α	68	8.646	-0.036	10.573	1.00	0.01
ATOM	576	CB	ASP	A	68	8.899	0.265	9.098	1.00	0.09
ATOM	577	CG	ASP	A	68	7.881	1.263	8.547	1.00	0.60
ATOM	578	OD1	ASP	A	68	6.748	1.239	9.009	1.00	0.78
ATOM	579	OD2	ASP	A	68	8.223	1.944	7.587	1.00	1.02
ATOM	580	C	ASP	A	68	9.571	-1.160	11.021	1.00	0.01
ATOM	581	0	ASP	A	68	9.068	-2.216	11.426	1.00	0.01
ATOM	582	N	PHE	A	69	10.832	-0.827	11.256	1.00	0.00
ATOM	584	CA	PHE	Α	69	11.808	-1.808	11.748	1.00	0.01
ATOM	585	CB	PHE	A	69	13.193	-1.172	11.652	1.00	0.01
ATOM	586	CG	PHE	Α	69	14.294	-1.923	12.397	1.00	0.01
ATOM	587	CD1	PHE	A	69	14.711	-3.173	11.958	1.00	0.00
ATOM	588	CE1	PHE	A	69	15.708	-3.853	12.645	1.00	0.01
ATOM	589	CZ	PHE	Α	69	16.288	-3.285	13.772	1.00	0.01
ATOM	590	CE2	PHE	A	69	15.871	-2.035	14.212	1.00	0.01
ATOM	591	CD2	PHE	A	69	14.874	-1.355	13.525	1.00	0.01
ATOM	592	С	PHE	A	69	11.537	-2.226	13.195	1.00	0.01
ATOM	593	0	PHE	A	69	11.671	-3.414	13.524	1.00	0.01
ATOM	594	N	ALA	A	70	10.940	-1.334	13.966	1.00	0.01
ATOM	596	CA	ALA	Α	70	10.573	-1.645	15.346	1.00	0.01
ATOM	597	CB	ALA	A	70	10.227	-0.336	16.042	1.00	0.01
ATOM	598	C	ALA	A	70	9.382	-2.598	15.426	1.00	0.00
ATOM	599	0	ALA	Α	70	9.438	-3.570	16.190	1.00	0.01
ATOM	600	N	PHE	A	71	8.457	-2.481	14.485	1.00	0.01
ATOM	602	CA	PHE	A	71	7.313	-3.398	14.453	1.00	0.01
ATOM	603	CB	PHE	A	71	6.218	-2.830	13.556	1.00	0.00
ATOM	604	CG	PHE	A	71	5.568	-1.540	14.048	1.00	0.01
ATOM	605	CD1	PHE	A	71	5.361	-1.330	15.406	1.00	0.01
ATOM	606	CE1	PHE	A	71	4.772	-0.151	15.843	1.00	0.00
ATOM	607	CZ	PHE	A	71	4.383	0.813	14.922	1.00	0.00
ATOM	608	CE2	PHE	A	71	4.575	0.596	13.564	1.00	0.00
ATOM	609	CD2	PHE	A	71	5.163	-0.583	13.127	1.00	0.00
ATOM	610	C	PHE	A	71	7.731	-4.758	13.127	1.00	0.00
ATOM	611	0	PHE	A	71	7.347	-5.783	14.495	1.00	0.01
ATOM	612	N	ARG	A	72	8.702	-4.756	13.016	1.00	0.00
ATOM	614	CA	ARG	A	72	9.225	-6.011	12.474	1.00	0.01
ATOM	615	CB	ARG	A	72	10.216	-5.697	11.365	1.00	0.20
ATOM	616	CG	ARG	A	72	9.590	-4.923	10.217	1.00	0.96
ATOM	617	CD	ARG	A	72	10.667	-4.523	9.219	1.00	1.05
ATOM	618	NE	ARG	A	72	10.007	-3.580	8.218	1.00	1.03
ATOM	619	CZ	ARG	A	72	10.132	-3.002	7.317	1.00	1.66
ATOM	620	NHI	ARG	A	72	10.449	-2.099	6.470	1.00	2.10
ATOM	621	NH2	ARG	A	72	12.249	-3.292	7.300		2.10
ATOM	622	C	ARG	A	72	9.964	-6.806	13.537	1.00	0.01
ATOM	623	0	ARG	A	72	9.964	-7.974	13.760	1.00	0.00
ATOM	624	N	LEU	A	73	10.764	-6.124	14.341	1.00	0.00
AION	U4T	1.4		L Ch	1/3	1 10.704	-0.124	14.541	1.00	0.00

ATOM	626	CA	LEU	A	73	11.537	-6.823	15.365	1.00	0.01
ATOM	627	CB	LEU	A	73	12.664	-5.899	15.815	1.00	0.01
ATOM	628	CG	LEU	Α	73	13.628	-6.598	16.766	1.00	0.01
ATOM	629	CDI	LEU	A	73	14.126	-7.909	16.170	1.00	0.01
ATOM	630	CD2	LEU	A	73	14.801	-5.690	17.118	1.00	0.01
ATOM	631	C	LEU	A	73	10.670	-7.237	16.555	1.00	0.01
ATOM	632	ō	LEU	A	73	10.824	-8.367	17.037	1.00	0.01
ATOM	633	N	TYR	A	74	9.610	-6.490	16.824	1.00	0.01
ATOM	635	CA	TYR	A	74	8.727	-6.861	17.930	1.00	0.01
ATOM	636	CB	TYR	A	74	7.800	-5.698	18.262	1.00	0.01
ATOM	637	CG	TYR	A	74	6.878	-5.984	19.444	1.00	0.01
ATOM	638	CD1	TYR	A	74	7.378	-5.918	20.739	1.00	0.01
ATOM	639	CE1	TYR	A	74	6.547	-6.185	21.819	1.00	0.01
ATOM	640	CZ	TYR	A	74	5.217	-6.518	21.600	1.00	0.00
ATOM	641	OH	TYR	A	74	4.393	-6.794	22.670	1.00	0.01
ATOM	642	CE2	TYR	A	74	4.714	-6.584	20.307	1.00	0.01
ATOM	643	CD2	TYR	A	74	5.546	-6.316	19.228	1.00	0.01
ATOM	644	C	TYR	A	74	7.896	-8.082	17.574	1.00	0.01
ATOM	645	0	TYR	A	74	7.932	-9.072	18.316	1.00	0.01
ATOM	646	N	ARG	A	75	7.412	-8.126	16.344	1.00	0.01
ATOM	648	CA	ARG	A	75	6.597	-9.263	15.920	1.00	0.00
ATOM	649	CB	ARG	A	75	5.781	-8.854	14.703	1.00	0.00
ATOM	650	CG	ARG	A	75	4.855	-7.695	15.048	1.00	0.00
ATOM	651	CD	ARG	A	75	4.096	-7.205	13.823	1.00	0.00
ATOM	652	NE	ARG	A	75	3.269	-6.038	14.165		
ATOM	653	CZ	ARG		75				1.00	0.00
ATOM	654	NH1	ARG	A	75	3.021	-5.040	13.315	1.00	0.01
ATOM		NH2	ARG	A	75	3.530 2.263	-5.072	13.697	1.00	0.00
	655 656			A	75		-4.010		1.00	0.01
ATOM	000	C	ARG	A	/3	7.456	10.480	15.599	1.00	0.01
ATOM	657	0	ARG	A	75	7.014	10.480	15.862	1.00	0.00
ATOM	037	0	ARG	Α.	13	7.014	11.604	15.862	1.00	0.00
ATOM	658	N	ARG	A	76	8.734	11.004	15.336	1.00	0.01
ATOM	036	IN .	AKG	Α.	/6	0.734	10.261	15.550	1.00	0.01
ATOM	660	CA	ARG	A	76	9.650	10.201	15.129	1.00	0.01
ATOM	000	CA	Auto	Α	/0	7.050	11.381	13.127	1.00	0.01
ATOM	661	CB	ARG	A	76	10.935	11.501	14.504	1.00	0.28
ATOM	001	CD	THE	1	/ /	10.555	10.852	14.504	1.00	0.20
ATOM	662	CG	ARG	A	76	11.790	-	13.973	1.00	1.10
1110111			11110	**	1.0	111750	11.993	15.575	1.00	1.10
ATOM	663	CD	ARG	A	76	11.014	-	12.914	1.00	1.58
				``		111011	12.768	121711	1100	1100
ATOM	664	NE	ARG	A	76	11.815	-	12.336	1.00	2.21
						111010	13.856	12.000		
ATOM	665	CZ	ARG	A	76	11.783	-	11.037	1.00	2.96
				1	1.0	111100	14.161	111007	1100	
ATOM	666	NH1	ARG	A	76	12.433	-	10.589	1.00	3.85
							15.236			
ATOM	667	NH2	ARG	Α	76	11.019	-	10.206	1.00	3.23
						"	13.449			
ATOM	668	C	ARG	Α	76	9.975	-	16.456	1.00	0.01
L							12.057			
ATOM	669	0	ARG	A	76	9.903	-	16.537	1.00	0.01
							13.288			
ATOM	670	N	LEU	A	77	10.031	-	17.525	1.00	0.01
							11.279			
ATOM	672	CA	LEU	A	77	10.285	-	18.848	1.00	0.01
				\perp			11.858			

ATOM	673	СВ	LEU	A	77	10.772	10.752	19.775	1.00	0.01
ATOM	674	CG	LEU	A	77	12.100	10.176	19.297	1.00	0.01
ATOM	675	CD1	LEU	A	77	12.468	-8.915	20.069	1.00	0.01
ATOM	676	CD2	LEU	A	77	13.216	-11.213	19.375	1.00	0.01
ATOM	677	С	LEU	A	77	9.033	12.517	19.425	1.00	0.01
ATOM	678	0	LEU	A	77	9.147	13.600	20.020	1.00	0.01
ATOM	679	N	VAL	A	78	7.869	12.043	19.002	1.00	0.01
ATOM	681	CA	VAL	A	78	6.603	12.672	19.402	1.00	0.01
ATOM	682	СВ	VAL	A	78	5.447	11.736	19.045	1.00	0.11
ATOM	683	CG1	VAL	A	78	4.095	12.384	19.325	1.00	0.20
ATOM	684	CG2	VAL	A	78	5.551	10.403	19.773	1.00	0.20
ATOM	685	С	VAL	A	78	6.398	13.999	18.675	1.00	0.01
ATOM	686	0	VAL	A	78	6.015	- 14.989	19.310	1.00	0.01
ATOM	687	N	LEU	A	79	6.872	- 14.068	17.439	1.00	0.01
ATOM	689	CA	LEU	A	79	6.763	- 15.296	16.644	1.00	0.01
ATOM	690	СВ	LEU	A	79	6.776	14.925	15.166	1.00	0.19
ATOM	691	CG	LEU	A	79	5.533	- 14.129	14.784	1.00	0.24
ATOM	692	CD1	LEU	A	79	5.635	13.603	13.357	1.00	0.38
ATOM	693	CD2	LEU	A	79	4.266	14.957	14.971	1.00	0.37
ATOM	694	С	LEU	A	79	7.882	- 16.294	16.933	1.00	0.01
ATOM	695	0	LEU	A	79	7.786	17.458	16.528	1.00	0.01
ATOM	696	N	GLU	A	80	8.912	15.863	17.642	1.00	0.01
ATOM	698	CA	GLU	A	80	9.894	16.823	18.142	1.00	0.01
ATOM	699	СВ	GLU	A	80	11.209	- 16.127	18.478	1.00	0.49
ATOM	700	CG	GLU	A	80	11.857	- 15.481	17.258	1.00	1.39
ATOM	701	CD	GLU	A	80	12.079	16.498	16.142	1.00	1.48
ATOM	702	OE1	GLU	A	80	11.433	- 16.347	15.114	1.00	2.26
ATOM	703	OE2	GLU	A	80	13.034	- 17.252	16.255	1.00	1.23
ATOM	704	С	GLU	A	80	9.318	- 17.467	19.394	1.00	0.01
ATOM	705	0	GLU	A	80	9.257	- 18.698	19.495	1.00	0.01

ATOM	706	N	THR	A	81	8.856	16.619	20.301	1.00	0.01
ATOM	708	CA	THR	A	81	8.132	17.067	21.498	1.00	0.02
ATOM	709	СВ	THR	A	81	8.969	17.980	22.395	1.00	1.52
ATOM	710	OG1	THR	A	81	8.309	18.010	23.652	1.00	2.01
ATOM	711	CG2	THR	A	81	10.389	17.486	22.633	1.00	2.60
ATOM	712	С	THR	A	81	7.596	15.897	22.316	1.00	0.01
ATOM	713	0	THR	A	81	8.349	15.135	22.945	1.00	0.01
ATOM	714	N	PRO	A	82	6.281	15.924	22.474	1.00	0.01
ATOM	715	CA	PRO	A	82	5.547	14.945	23.285	1.00	0.01
ATOM	716	СВ	PRO	A	82	4.116	15.121	22.876	1.00	0.18
ATOM	717	CG	PRO	A	82	3.983	16.396	22.058	1.00	0.19
ATOM	718	CD	PRO	A	82	5.392	16.932	21.889	1.00	0.14
ATOM	719	С	PRO	A	82	5.680	15.115	24.809	1.00	0.01
ATOM	720	0	PRO	A	82	5.041	14.357	25.547	1.00	0.01
ATOM	721	N	SER	A	83	6.493	16.055	25.281	1.00	0.02
ATOM	723	CA	SER	A	83	6.697	16.235	26.722	1.00	0.01
ATOM	724	СВ	SER	A	83	6.985	17.702	27.015	1.00	0.01
ATOM	725	OG	SER	A	83	8.279	18.000	26.509	1.00	0.02
ATOM	726	С	SER	A	83	7.868	15.393	27.232	1.00	0.01
ATOM	727	0	SER	A	83	8.277	15.528	28.391	1.00	0.01
ATOM	728	N	GLN	A	84	8.492	14.651	26.334	1.00	0.02
ATOM	730	CA	GLN	A	84	9.553	13.730	26.735	1.00	0.01
ATOM	731	СВ	GLN	A	84	10.513	13.545	25.567	1.00	1.11
ATOM	732	CG	GLN	A	84	11.173	14.843	25.130	1.00	1.61
ATOM	733	CD	GLN	A	84	12.060	14.558	23.922	1.00	1.93
ATOM	734	OE1	GLN	A	84	13.283	14.730	23.977	1.00	2.66
ATOM	735	NE2	GLN	A	84	11.422	14.146	22.838	1.00	1.90
ATOM	738	С	GLN	A	84	8.991	12.358	27.076	1.00	0.00
ATOM	739	0	GLN	Α	84	8.119	11.841	26.368	1.00	0.01
ATOM	740	N	ASN	A	85	9.526	-	28.132	1.00	0.01

							11.766			
ATOM	742	CA	ASN	A	85	9.314	-	28.379	1.00	0.01
							10.334			
ATOM	743	CB	ASN	A	85	9.736	-9.974	29.798	1.00	0.01
ATOM	744	CG	ASN	A	85	8.816	-	30.824	1.00	0.02
							10.618			
ATOM	745	OD1	ASN	A	85	7.585	-	30.751	1.00	0.01
				-			10.488			
ATOM	746	ND2	ASN	A	85	9.426	1	31.811	1.00	0.01
							11.245			
ATOM	749	C	ASN	A	85	10.170	-9.542	27.399	1.00	0.01
ATOM	750	0	ASN	A	85	11.369	-9.336	27.617	1.00	0.01
ATOM	751	N	1LE	A	86	9.554	-9.156	26.297	1.00	0.01
ATOM	753	CA	1LE	A	86	10.277	-8.469	25.226	1.00	0.01
ATOM	754	CB	ILE	A	86	9.369	-8.454	23.996	1.00	0.01
ATOM ATOM	755 756	CG2 CG1	1LE	A	86	10.021	-7.781	22.792	1.00	0.00
ATOM	757	CD1	1LE 1LE	A	86 86	8.974 8.153	-9.879 -9.905	23.629	1.00	0.01
ATOM	758	C	ILE	A	86				1.00	0.01
ATOM	759	0	ILE		86	9.906	-7.064	25.671		0.00
ATOM	760	N	PHE	A	87	11.877	-6.417 -6.664	26.406 25.342	1.00	0.01
ATOM	762	CA	PHE	A	87	12.324	-5.303	25.630	1.00	0.00
ATOM	763	CB	PHE	A	87	12.633	-5.134	27.110	1.00	0.00
ATOM	764	CG	PHE	A	87	12.846	-3.134	27.423	1.00	0.01
ATOM	765	CDI	PHE	A	87	11.782	-2.784	27.282	1.00	0.00
ATOM	766	CE1	PHE	A	87	11.964	-1.432	27.531	1.00	0.01
ATOM	767	CZ	PHE	A	87	13.213	-0.964	27.912	1.00	0.01
ATOM	768	CE2	PHE	A	87	14.278	-1.844	28.051	1.00	0.00
ATOM	769	CD2	PHE	A	87	14.094	-3.197	27.807	1.00	0.01
ATOM	770	C	PHE	A	87	13.559	-4.950	24.810	1.00	0.01
ATOM	771	Ö	PHE	A	87	14.695	-5.254	25.195	1.00	0.01
ATOM	772	N	PHE	A	88	13.324	-4.284	23.696	1.00	0.01
ATOM	774	CA	PHE	A	88	14.428	-3.886	22.819	1.00	0.01
ATOM	775	СВ	PHE	Α	88	14.399	-4.710	21.532	1.00	0.01
ATOM	776	CG	PHE	Α	88	13.216	-4.453	20.600	1.00	0.01
ATOM	777	CD1	PHE	A	88	12.037	-5.171	20.752	1.00	0.01
ATOM	778	CE1	PHE	A	88	10.966	-4.930	19.904	1.00	0.01
ATOM	779	CZ	PHE	Α	88	11.076	-3.979	18.898	1.00	0.01
ATOM	780	CE2	PHE	Α	88	12.258	-3.272	18.735	1.00	0.01
ATOM	781	CD2	PHE	Α	88	13.329	-3.513	19.583	1.00	0.01
ATOM	782	C	PHE	A	88	14.369	-2.404	22.477	1.00	0.00
ATOM	783	0	PHE	Α	88	13.301	-1.779	22.467	1.00	0.01
ATOM	784	N	SER	A	89	15.537	-1.856	22.202	1.00	0.01
ATOM	786	CA	SER	Α	89	15.633	-0.485	21.714	1.00	0.00
ATOM	787	CB	SER	A	89	16.812	0.213	22.369	1.00	0.01
ATOM	788	OG	SER	Α	89	17.000	1.443	21.675	1.00	0.01
ATOM	789	C	SER	A	89	15.843	-0.446	20.212	1.00	0.01
ATOM	790	0	SER	A	89	16.975	-0.633	19.739	1.00	0.01
ATOM	791	N	PRO	A	90	14.804	-0.047	19.493	1.00	0.01
ATOM	792	CA	PRO	A	90	14.926	0.148	18.048	1.00	0.01
ATOM	793 794	CB	PRO	A	90	13.554	0.526	17.581	1.00	0.01
ATOM	794	CG	PRO	A	90	12.621	0.615	18.780	1.00	0.01
	796	CD	PRO	A	90	13.465	0.275	19.995	1.00	0.01
ATOM	797	0	PRO PRO	A	90	15.947	0.951	17.718 16.942	1.00	0.01
ATOM	798	N	VAL	A	91	15.995	2.264	18.549	1.00	0.01
ATOM	800	CA	VAL	A	91	16.952	3.354	18.363	1.00	0.00
ATOM	801	CB	VAL	A	91	16.642	4.444	19.381	1.00	0.01
A I O'M	001	(L)	1 TAL	1.0	71	10.042	7.777	17.201	1 1.00	10.01

ATOM	802	CG1	VAL	A	91	17.798	5.427	19.540	1.00	0.01
ATOM	803	CG2	VAL	A	91	15.361	5.174	19.001	1.00	0.01
ATOM	804	С	VAL	A	91	18.409	2.908	18.486	1.00	0.01
ATOM	805	0	VAL	A	91	19.147	3.108	17.515	1.00	0.00
ATOM	806	N	SER	A	92	18.764	2.110	19.485	1.00	0.01
ATOM	808	CA	SER	A	92	20.179	1.744	19.608	1.00	0.01
ATOM	809	CB	SER	A	92	20.433	1.193	21.006	1.00	0.01
ATOM	810	OG	SER	A	92	19.684	-0.004	21.158	1.00	0.01
ATOM	811	C	SER	Α	92	20.633	0.734	18.551	1.00	0.01
ATOM	812	0	SER	A	92	21.717	0.937	17.981	1.00	0.01
ATOM	813	N	VAL	A	93	19.729	-0.115	18.086	1.00	0.00
ATOM	815	CA	VAL	Α	93	20.106	-1.096	17.067	1.00	0.01
ATOM	816	CB	VAL	Α	93	19.066	-2.211	17.045	1.00	0.09
ATOM	817	CG1	VAL	A	93	19.417	-3.261	15.997	1.00	0.13
ATOM	818	CG2	VAL	Α	93	18.926	-2.862	18.413	1.00	0.17
ATOM	819	C	VAL	A	93	20.176	-0.450	15.689	1.00	0.00
ATOM	820	0	VAL	A	93	21.195	-0.594	15.001	1.00	0.01
ATOM	821	N	SER	A	94	19.274	0.482	15.434	1.00	0.01
ATOM	823	CA	SER	A	94	19.235	1.133	14.121	1.00	0.01
ATOM	824	CB	SER	A	94	17.859	1.765	13.922	1.00	0.17
ATOM	825	OG	SER	A	94	17.660	2.767	14.914	1.00	0.70
ATOM	826	C	SER	A	94	20.327	2.189	13.969	1.00	0.01
ATOM	827	0	SER	Α	94	20.922	2.291	12.888	1.00	0.01
ATOM	828	N	THR	A	95	20.775	2.742	15.084	1.00	0.01
ATOM	830	CA	THR	A	95	21.859	3.719	15.038	1.00	0.00
ATOM	831	CB	THR	Α	95	21.807	4.547	16.318	1.00	0.01
ATOM	832	OGI	THR	A	95	20.577	5.260	16.317	1.00	0.02
ATOM	833	CG2	THR	A	95	22.937	5.566	16.388	1.00	0.01
ATOM	834	C	THR	Α	95	23.211	3.027	14.903	1.00	0.01
ATOM	835	0	THR	A	95	24.026	3.454	14.076	1.00	0.00
ATOM	836	N	SER	A	96	23.321	1.827	15.451	1.00	0.01
ATOM	838	CA	SER	A	96	24.582	1.089	15.319	1.00	0.01
ATOM	839	CB	SER	A	96	24.727	0.089	16.462	1.00	0.15
ATOM	840	OG	SER	A	96	23.632	-0.817	16.438	1.00	0.84
ATOM	841	C	SER	A	96	24.688	0.379	13.970	1.00	0.01
ATOM	842	0	SER	A	96	25.791	0.294	13.416	1.00	0.01
ATOM	843	N	LEU	A	97	23.559	0.119	13.333	1.00	0.01
ATOM	845	CA	LEU	A	97	23.607	-0.467	11.994	1.00	0.01
ATOM	846	CB	LEU	A	97	22.315	-1.224	11.738	1.00	0.13
ATOM	847	CG	LEU	A	97	22.233	-2.463	12.617	1.00	0.13
ATOM	848	CD1	LEU	A	97	20.874	-3.135	12.478	1.00	0.64
ATOM	849	CD2	LEU	A	97	23.361	-3.436	12.290	1.00	0.47
ATOM	850	C	LEU	A	97	23.828	0.591	10.918	1.00	0.00
ATOM	851	O	LEU	A	97	24.610	0.347	9.990	1.00	0.00
ATOM	852	N	ALA	A	98	23.405	1.816	11.182	1.00	0.01
ATOM	854	CA	ALA	A	98	23.698	2.904	10.243	1.00	0.01
ATOM	855	CB	ALA	A	98	22.655	3.993	10.410	1.00	0.01
ATOM	856	C	ALA	A	98	25.103	3.470	10.410	1.00	0.00
ATOM	857	0	ALA	A	98	25.659	4.131	9.572	1.00	0.00
ATOM	858	N	MET	A	99	25.702	3.114	11.577	1.00	0.01
ATOM	860	CA	MET	A	99	27.114	3.392	11.817	1.00	0.01
ATOM	861	CB	MET	A	99	27.319	3.255	13.315	1.00	0.02
ATOM	862	CG	MET	A	99	28.783	3.315	13.704	1.00	0.00
ATOM	863	SD	MET	A	99	29.098	2.753	15.386	1.00	0.01
ATOM	864	CE	MET	A	99	28.443	1.074	15.249	1.00	0.01
ATOM	865	C	MET	A	99	27.989	2.367	11.103	1.00	0.02
ATOM	866	0	MET	A	99	28.949	2.735	10.412	1.00	0.01
ATOM	867	N	LEU	A	100	27.496	1.139	11.054	1.00	0.01
ATOM	007	114	LEU	l M	100	27.496	1.139	11.054	1.00	10.01

ATOM	869	CA	LEU	A	100	28.216	0.054	10.381	1.00	0.01
ATOM	870	CB	LEU	A	100	27.610	-1.265	10.847	1.00	0.01
ATOM	871	CG	LEU	Α	100	28.374	-2.467	10.305	1.00	0.01
ATOM	872	CD1	LEU	Α	100	29.822	-2.450	10.784	1.00	0.01
ATOM	873	CD2	LEU	Α	100	27.691	-3.768	10.714	1.00	0.01
ATOM	874	C	LEU	A	100	28.104	0.162	8.862	1.00	0.01
ATOM	875	0	LEU	A	100	29.088	-0.102	8.160	1.00	0.01
ATOM	876	N	SER	A	101	27.047	0.812	8.397	1.00	0.01
ATOM	878	CA	SER	A	101	26.872	1.083	6.962	1.00	0.01
ATOM	879	СВ	SER	A	101	25.395	1.301	6.668	1.00	0.00
ATOM	880	OG	SER	A	101	24.997	2.495	7.322	1.00	0.00
ATOM	881	C	SER	A	101	27.673	2.295	6.469	1.00	0.01
ATOM	882	0	SER	A	101	27.547	2.678	5.304	1.00	0.00
ATOM	883	N	LEU	A	102	28.450	2.909	7.350	1.00	0.01
ATOM	885	CA	LEU	A	102	29.438	3.915	6.944	1.00	0.01
ATOM	886	CB	LEU	A	102	29.500	5.012	7.994	1.00	0.00
ATOM	887	CG	LEU	A	102	28.356	5.997	7.809	1.00	0.01
ATOM	888	CD1	LEU	A	102	28.419	7.100	8.855	1.00	0.01
ATOM	889	CD2	LEU	A	102	28.408	6.601	6.411	1.00	0.01
ATOM	890	C	LEU	A	102	30.833	3.318	6.730	1.00	0.00
ATOM	891	O	LEU	A	102	31.800	4.067	6.540	1.00	0.01
ATOM	892	N	GLY	A	103	30.947	2.008	6.874	1.00	0.02
ATOM	894	CA	GLY	A	103	32.193	1.306	6.555	1.00	0.02
ATOM	895	C	GLY	A	103	31.876	0.155	5.611	1.00	0.01
ATOM	896	O	GLY	A	103	32.740	-0.334	4.866	1.00	0.02
ATOM	897	N	ALA	A	104	30.658	-0.337	5.756	1.00	0.01
ATOM	899	CA	ALA	A	104	30.107	-1.315	4.823	1.00	0.00
ATOM	900	CB	ALA	A	104	28.828	-1.898	5.410	1.00	0.60
ATOM	901	C	ALA	A	104	29.798	-0.648	3.494	1.00	0.01
ATOM	902	0	ALA	A	104	29.377	0.511	3.431	1.00	0.01
ATOM	903	N	HIS	A	105	30.084	-1.371	2.434	1.00	0.01
ATOM	905	CA	HIS	A	105	29.819	-0.868	1.093	1.00	0.01
ATOM	906	CB	HIS	A	105	31.163	-0.638	0.413	1.00	0.36
ATOM	907	CG	HIS	Α	105	31.157	0.500	-0.582	1.00	1.35
ATOM	908	ND1	HIS	A	105	30.544	1.685	-0.417	1.00	1.70
ATOM	910	CE1	HIS	A	105	30.748	2,447	-1.511	1.00	2.51
ATOM	911	NE2	HIS	A	105	31.505	1.730	-2.373	1.00	2.95
ATOM	912	CD2	HIS	A	105	31.767	0.527	-1.813	1.00	2.35
ATOM	913	С	HIS	A	105	28.971	-1.875	0.322	1.00	0.01
ATOM	914	0	HIS	Α	105	28.605	-2.934	0.858	1.00	0.01
ATOM	915	N	SER	A	106	28.645	-1.518	-0.912	1.00	0.01
ATOM	917	CA	SER	A	106	27.870	-2.369	-1.833	1.00	0.00
ATOM	918	CB	SER	A	106	28.789	-3.466	-2.358	1.00	0.30
ATOM	919	OG	SER	Α	106	29.945	-2.846	-2.902	1.00	0.54
ATOM	920	C	SER	A	106	26.661	-3.026	-1.177	1.00	0.01
ATOM	921	0	SER	A	106	25.993	-2.427	-0.326	1.00	0.01
ATOM	922	N	VAL	Α	107	26.547	-4.326	-1.403	1.00	0.01
ATOM	924	CA	VAL	A	107	25.393	-5.106	-0.926	1.00	0.01
ATOM	925	CB	VAL	Α	107	25.402	-6.429	-1.689	1.00	0.37
ATOM	926	CG1	VAL	A	107	24.244	-7.339	-1.287	1.00	0.53
ATOM	927	CG2	VAL	A	107	25.369	-6.171	-3.191	1.00	0.37
ATOM	928	C	VAL	Α	107	25.391	-5.361	0.589	1.00	0.01
ATOM	929	0	VAL	Α	107	24.304	-5.492	1.162	1.00	0.01
ATOM	930	N	THR	Α	108	26.506	-5.109	1.255	1.00	0.02
ATOM	932	CA	THR	A	108	26.545	-5.286	2.706	1.00	0.01
ATOM	933	CB	THR	Α	108	28.003	-5.413	3.133	1.00	0.00
ATOM	934	OG1	THR	A	108	28.524	-6.614	2.573	1.00	0.01
ATOM	935	CG2	THR	A	108	28.144	-5.507	4.645	1.00	0.01

ATOM	936	C	THR	A	108	25.891	-4.079	3.374	1.00	0.01
ATOM	937	0	THR	A	108	24.945	-4.252	4.154	1.00	0.00
ATOM	938	N	LYS	A	109	26.119	-2.925	2.767	1.00	0.01
ATOM	940	CA	LYS	A	109	25.517	-1.675	3.238	1.00	0.01
ATOM	941	CB	LYS	Α	109	26.307	-0.543	2.601	1.00	0.10
ATOM	942	CG	LYS	A	109	25.738	0.831	2.919	1.00	0.14
ATOM	943	CD	LYS	Α	109	26.456	1.893	2.098	1.00	0.38
ATOM	944	CE	LYS	A	109	26.342	1.577	0.611	1.00	1.01
ATOM	945	NZ	LYS	A	109	27.041	2.585	-0.201	1.00	1.35
ATOM	946	C	LYS	A	109	24.061	-1.567	2.799	1.00	0.01
ATOM	947	O	LYS	A	109	23.203	-1.164	3.596	1.00	0.01
ATOM	948	N	THR	A	110	23.758	-2.201	1.678	1.00	0.01
ATOM	950	CA	THR	A	110	22.396	-2.187	1.145	1.00	0.00
ATOM	951	CB	THR	A	110	22.447	-2.650	-0.307	1.00	0.09
ATOM	952	OG1	THR	A	110	23.256	-1.733	-1.031	1.00	0.10
ATOM	953	CG2	THR	A	110	21.064	-2.670	-0.949	1.00	0.10
ATOM	954	C	THR	A	110	21.466		1.945	1.00	
ATOM	955	0	THR	A	110	20.337	-3.093 -2.678	2.241		0.01
ATOM	956	N	GLN	A	111				1.00	0.01
ATOM	958	CA	GLN		111	22.002	-4.168	2.504	1.00	0.01
ATOM	959	CB	GLN	A		21.181	-5.033	3.350	1.00	0.00
				A	111	21.872	-6.371	3.549	1.00	0.18
ATOM	960	CG	GLN	A	111	21.854	-7.232	2.297	1.00	0.37
ATOM	961	CD	GLN	A	111	22.526	-8.554	2.636	1.00	0.89
ATOM	962	OE1	GLN	A	111	23.234	-8.651	3.648	1.00	1.44
ATOM	963	NE2	GLN	A	111	22.246	-9.572	1.842	1.00	1.73
ATOM	966	С	GLN	A	111	20.952	-4.409	4.714	1.00	0.01
ATOM	967	0	GLN	A	111	19.821	-4.458	5.211	1.00	0.01
ATOM	968	N	ILE	A	112	21.915	-3.630	5.179	1.00	0.01
ATOM ATOM	970 971	CA CB	ILE	A	112	21.757	-2.939 -2.316	6.459	1.00	0.00
ATOM	971	CG2						6.844	1.00	
ATOM	973	CG1	ILE	A	112	22.932 24.156	-1.466 -3.385	8.094 7.060	1.00	0.01
ATOM	974	CD1	ILE		112					
ATOM	974	C	ILE	A	112	25.506	-2.767 -1.846	7.404 6.371	1.00	0.01
ATOM	976	o	ILE	A	112	19.735			1.00	0.00
ATOM	977	N	LEU	A	113	20.717	-1.868	7.152	1.00	
ATOM	979	CA	LEU	A	113	19.765	-1.103 -0.004	5.277	1.00	0.01
ATOM	980	CB	LEU	A	113	20.218	0.869	3.959	1.00	0.01
ATOM	981	CG	LEU	A	113	21.566	1.512	4.267	1.00	0.01
ATOM	982	CD1	LEU	A	113	22.129	2.218	3.041	1.00	0.01
ATOM	983	CD2	LEU	A	113	21.471	2.468	5.452	1.00	0.01
ATOM	984	C	LEU	A	113	18.348	-0.507	4.883	1.00	0.01
ATOM	985	o	LEU	A	113	17.476	-0.187	5.702	1.00	0.01
ATOM	986	N	GLN	A	114	18.193	-1.516	4.040	1.00	0.01
ATOM	988	CA	GLN	A	114	16.849	-2.042	3.757	1.00	0.01
ATOM	989	CB	GLN	A	114	16.906	-2.855	2.468	1.00	0.08
ATOM	990	CG	GLN	A	114	17.175	-1.980	1.243	1.00	0.98
ATOM	991	CD	GLN	A	114	15.896	-1.331	0.705	1.00	1.17
ATOM	992	OE1	GLN	A	114	14.925	-1.088	1.431	1.00	0.48
ATOM	993	NE2	GLN	A	114	15.902	-1.088	-0.596	1.00	2.23
ATOM	996	C	GLN	A	114	16.290	-2.901	4.897	1.00	0.01
ATOM	997	0	GLN	A	114	15.081	-2.841	5.146	1.00	0.01
ATOM	998	N	GLY	A	115	17.167	-3.418	5.744	1.00	0.01
ATOM	1000	CA	GLY	A	115	16.750	-4.161	6.941	1.00	0.01
ATOM	1001	C	GLY	A	115	16.228	-3.226	8.030	1.00	0.01
ATOM	1002	0	GLY	A	115	15.375	-3.613	8.837	1.00	0.01
ATOM	1003	N	LEU	A	116	16.724	-1.997	8.030	1.00	0.00
ATOM	1005	CA	LEU	A	116	16.217	-0.954	8.933	1.00	0.00
			,		1 110	, /	0.557	, 3.223	1.00	3.00

ATOM	1006	CB	LEU	Α	116	17.330	0.055	9.176	1.00	0.01
ATOM	1007	CG	LEU	A	116	18.543	-0.556	9.859	1.00	0.01
ATOM	1008	CD1	LEU	Α	116	19.679	0.460	9.928	1.00	0.01
ATOM	1009	CD2	LEU	Α	116	18.183	-1.064	11.249	1.00	0.01
ATOM	1010	C	LEU	A	116	15.011	-0.197	8.360	1.00	0.00
ATOM	1011	0	LEU	Α	116	14.511	0.734	9.004	1.00	0.00
ATOM	1012	N	GLY	A	117	14.620	-0.516	7.136	1.00	0.01
ATOM	1014	CA	GLY	A	117	13.451	0.115	6.517	1.00	0.00
ATOM	1015	С	GLY	Α	117	13.831	1.183	5.497	1.00	0.00
ATOM	1016	0	GLY	Α	117	12.957	1.814	4.890	1.00	0.01
ATOM	1017	N	PHE	Α	118	15.121	1.368	5.286	1.00	0.00
ATOM	1019	CA	PHE	Α	118	15.586	2.450	4.416	1.00	0.00
ATOM	1020	CB	PHE	Α	118	16.933	2.952	4.908	1.00	0.01
ATOM	1021	CG	PHE	Α	118	16.806	3.634	6.262	1.00	0.01
ATOM	1022	CD1	PHE	Α	118	16.182	4.872	6.344	1.00	0.00
ATOM	1023	CE1	PHE	Α	118	16.039	5.498	7.574	1.00	0.00
ATOM	1024	CZ	PHE	Α	118	16.517	4.885	8.723	1.00	0.01
ATOM	1025	CE2	PHE	A	118	17.143	3.648	8.640	1.00	0.01
ATOM	1026	CD2	PHE	A	118	17.289	3.023	7.410	1.00	0.01
ATOM	1027	C	PHE	A	118	15.643	2.029	2.958	1.00	0.01
ATOM	1028	Ō	PHE	A	118	16.641	1.497	2.448	1.00	0.00
ATOM	1029	N	ASN	A	119	14.538	2.332	2.302	1.00	0.01
ATOM	1031	CA	ASN	A	119	14.351	2.050	0.884	1.00	0.00
ATOM	1032	CB	ASN	A	119	12.865	2.195	0.593	1.00	0.01
ATOM	1033	CG	ASN	A	119	12.593	1.896	-0.871	1.00	0.01
ATOM	1034	OD1	ASN	A	119	12.727	2.781	-1.726	1.00	0.00
ATOM	1035	ND2	ASN	A	119	12.727	0.642	-1.155	1.00	0.00
ATOM	1033	C	ASN	A	119	15.162	2.997	0.007	1.00	0.00
ATOM	1039	o	ASN	A	119	14.742	4.127	-0.281	1.00	0.00
ATOM	1040	N	LEU	A	120	16.152	2.409	-0.281	1.00	0.00
ATOM	1042	CA	LEU	A	120	17.113	3.144	-1.480	1.00	0.00
ATOM	1043	CB	LEU	A	120	18.373	2.294	-1.585	1.00	0.00
ATOM	1043	CG	LEU	A	120	18.987	2.053	-0.209	1.00	0.00
ATOM	1044	CD1	LEU	A	120	20.142	1.062	-0.299	1.00	0.00
ATOM	1045	CD2	LEU	A	120		3.363		1.00	
ATOM	1046	CD2				19.439		0.430		0.01
ATOM	1047	0	LEU	A	120	16.621	3.502	-2.889	1.00	0.01
ATOM	1048		LEU	A	120	17.432	3.878	-3.742	1.00	0.01
ATOM	1049	N	THR	A	121	15.343	3.312	-3.176	1.00	0.01
ATOM	1051	CA CB	THR	A	121	14.820	3.787	-4.454	1.00	0.00
				A	121	13.901	2.756	-5.098	1.00	0.00
ATOM ATOM	1053 1054	OG1 CG2	THR	A	121	12.623	2.809 1.342	-4.484	1.00	0.01
ATOM		CG2		A	121	14.462		-4.991	1.00	0.01
ATOM	1055 1056	0	THR	A	121 121	14.079	5.104	-4.233	1.00	0.01
ATOM				A		13.539	5.682	-5.182	1.00	0.00
	1057	N	HIS	A	122	13.997	5.525	-2.980	1.00	0.01
ATOM	1059	CA	HIS	A	122	13.428	6.835	-2.669	1.00	0.01
ATOM	1060	CB	HIS	A	122	12.089	6.647	-1.963	1.00	0.29
ATOM	1061	CG	HIS	A	122	11.014	5.994	-2.808	1.00	0.30
ATOM	1062	ND1	HIS	A	122	10.628	4.704	-2.763	1.00	1.03
ATOM	1064	CE1	HIS	A	122	9.642	4.505	-3.661	1.00	0.88
ATOM	1065	NE2	HIS	A	122	9.411	5.682	-4.286	1.00	0.56
ATOM	1066	CD2	HIS	A	122	10.249	6.610	-3.771	1.00	0.88
ATOM	1067	C	HIS	A	122	14.354	7.643	-1.765	1.00	0.00
ATOM	1068	0	HIS	A	122	14.502	8.859	-1.949	1.00	0.01
ATOM	1069	N	THR	A	123	14.987	6.970	-0.818	1.00	0.00
ATOM	1071	CA	THR	A	123	15.788	7.677	0.191	1.00	0.01
ATOM	1072	CB	THR	A	123	15.631	6.987	1.549	1.00	0.59
ATOM	1073	OG1	THR	A	123	16.236	5.700	1.515	1.00	1.04

ATOM 1075											
ATOM 1076 O	ATOM	1074	CG2	THR	Α	123	14.166	6.821	1.939	1.00	0.99
ATOM 1077 N	ATOM				A						
ATOM 1078 CA	ATOM	1076	0	THR	A	123	17.948	6.768	-0.415	1.00	0.00
ATOM 1079 CB	ATOM	1077		PRO	Α						
ATOM 1079 CB	ATOM	1078	CA	PRO	A	124	19.196	9.259	-0.178	1.00	0.00
ATOM	ATOM	1079		PRO	Α	124	19.325	10.729	-0.438	1.00	0.01
ATOM 1082 C	ATOM	1080	CG	PRO	Α	124	17.953	11.375	-0.308	1.00	0.01
ATOM 1082 C	ATOM	1081	CD	PRO	A	124	16.977	10.237	-0.053	1.00	0.01
ATOM 1084 N GLU A 125 21.035 8.412 1.136 1.00 0.01										1.00	0.01
ATOM 1084 N	ATOM		0	PRO	Α	124	19.255	9.238	2.234	1.00	0.01
ATOM 1086 CA GLU A 125 21.718 7.981 2.366 1.00 0.00 ATOM 1087 CB GLU A 125 22.887 7.071 2.009 1.00 0.00 ATOM 1088 CG GLU A 125 22.888 5.759 1.407 1.00 0.01 ATOM 1089 CD GLU A 125 23.581 4.845 1.106 1.00 0.01 ATOM 1090 OEI GLU A 125 23.581 4.845 1.106 1.00 0.01 ATOM 1090 OEI GLU A 125 23.581 4.845 1.106 1.00 0.01 ATOM 1091 OE2 GLU A 125 23.455 4.043 0.191 1.00 0.01 ATOM 1092 C GLU A 125 22.215 9.141 3.231 1.00 0.01 ATOM 1093 O GLU A 125 22.215 9.141 3.231 1.00 0.01 ATOM 1094 N SER A 126 22.221 10.346 6.683 1.00 0.01 ATOM 1096 CA SER A 126 22.222 10.346 6.683 1.00 0.01 ATOM 1097 CB SER A 126 22.299 11.526 3.473 1.00 0.01 ATOM 1098 OG SER A 126 22.978 12.656 2.523 1.00 0.17 ATOM 1099 C SER A 126 22.978 12.656 2.523 1.00 0.17 ATOM 1099 C SER A 126 21.460 11.996 4.384 1.00 0.01 ATOM 1101 N ALA A 127 12.0255 11.509 4.143 1.00 0.01 ATOM 1101 N ALA A 127 19.23 10.688 6.077 1.00 0.01 ATOM 1104 CB ALA A 127 19.83 1.805 0.044 1.00 0.01 ATOM 1105 C ALA A 127 19.83 1.805 0.044 1.00 0.01 ATOM 1106 O ALA A 127 19.83 1.805 0.044 1.00 0.01 ATOM 1107 N ILE A 128 19.457 9.504 5.678 1.00 0.01 ATOM 1107 N ILE A 128 19.457 9.504 5.678 1.00 0.01 ATOM 1101 CB ILE A 128 19.457 9.504 5.678 1.00 0.01 ATOM 1110 CB ILE A 128 19.417 8.355 6.561 1.00 0.01 ATOM 1110 CB ILE A 128 19.813 5.854 6.554 1.00 0.01 ATOM 1115 O ILE A 128 19.813 5.854 6.554 1.00 0.01 ATOM 1112 CDI ILE A 128 19.813 5.894 7.76 5.990 1.00											
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ATOM 1112 CG1 ILE A 128 18.673 6.954 4.605 1.00 0.01 ATOM 1113 CD1 ILE A 128 18.998 5.776 3.693 1.00 0.01 ATOM 1114 C ILE A 128 20.457 8.442 7.670 1.00 0.00 ATOM 1115 O ILE A 128 20.457 8.442 7.670 1.00 0.00 ATOM 1116 N HIS A 129 21.625 8.948 7.311 1.00 0.00 ATOM 1118 CA HIS A 129 22.695 0.088 8.292 1.00 0.01 ATOM 1119 CB HIS A 129 22.695 0.088 8.292 1.00 0.01 ATOM 1120 CG HIS A 129 24.348 7.770 6.990 1.00 0.01 ATOM 1121 ND1 HIS A 129 24.406 6.646 7.719 1.00 0.01 ATOM 1123 CE1 HIS A 129 24.348 7.770 6.990 1.00 0.01 ATOM 1124 NE2 HIS A 129 24.542 6.088 5.659 1.00 0.01 ATOM 1125 CD2 HIS A 129 24.631 7.425 5.690 1.00 0.01 ATOM 1126 C HIS A 129 24.541 1.086 1.086 1.00 0.01 ATOM 1127 O HIS A 129 22.490 1.0286 9.208 1.00 0.01 ATOM 1128 N GLN A 130 21.584 11.347 8.692 1.00 0.01 ATOM 1128 N GLN A 130 21.584 11.347 8.992 1.00 0.01 ATOM 1130 CA GLN A 130 21.584 12.495 9.554 1.00 0.01 ATOM 1131 CB GLN A 130 22.360 14.305 8.135 1.00 0.07 ATOM 1134 OEI GLN A 130 22.360 14.305 8.135 1.00 0.07 ATOM 1135 NE2 GLN A 130 22.351 1.0688 6.313 1.00 2.56 ATOM 1135 NE2 GLN A 130 22.351 1.0688 6.313 1.00 2.56 ATOM 1134 OEI GLN A 130 22.351 1.0688 6.313 1.00 2.56 ATOM 1135 NE2 GLN A 130 23.352 12.257 1.0448 1.00 0.01 ATOM 1135 NE2 GLN A 130 23.352 12.267 11.570 1.00 0.00 ATOM 1139 O GLN A 130 23.352 12.267 11.570 1.00 0.00 ATOM 1139 O GLN A 130 23.352 12.267 11.570 10.00 0.00 ATOM 1139 O GLN A 130 23.352 12.2											0.01
ATOM 1113 CD1 ILE A 128 18.998 5.776 3.693 1.00 0.01											
ATOM 1114 C ILE A 128 20.457 8.442 7.670 1.00 0.00											
ATOM 1115 O ILE A 128 20.121 8.299 8.854 1.00 0.01											0.00
ATOM 1116 N HIS A 129 21.625 8.948 7.311 1.00 0.00								8.299	8.854	1.00	0.01
ATOM 119 CB HIS A 129 24.020 9.140 7.544 1.00 0.01								8.948	7.311	1.00	0.00
ATOM 119 CB HIS A 129 24.020 9.140 7.544 1.00 0.01	ATOM	1118	CA	HIS	Α	129	22.695	9.088	8.292	1.00	0.01
ATOM 1121 ND1 HIS A 129 24.406 6.646 7.719 1.00 0.01 ATOM 1123 CE1 HIS A 129 24.704 5.605 6.914 1.00 0.01 ATOM 1124 NE2 HIS A 129 24.834 6.088 5.659 1.00 0.01 ATOM 1125 CD2 HIS A 129 24.631 7.425 5.690 1.00 0.01 ATOM 1126 C HIS A 129 24.631 7.425 5.690 1.00 0.00 ATOM 1127 O HIS A 129 22.490 10.286 9.208 1.00 0.01 ATOM 1128 N GLN A 130 21.884 11.347 8.692 1.00 0.01 ATOM 1130 CA GLN A 130 21.884 11.347 8.692 1.00 0.00 ATOM 1131 CB GLN A 130 21.584 12.495 9.554 1.00 0.01 ATOM 1132 CG GLN A 130 21.345 13.744 8.723 1.00 0.01 ATOM 1131 CB GLN A 130 22.347 15.685 7.550 1.00 1.72 ATOM 1134 OEI GLN A 130 22.347 15.685 7.550 1.00 1.72 ATOM 1135 NE2 GLN A 130 22.835 15.698 6.313 1.00 2.56 ATOM 1135 NE2 GLN A 130 23.72 12.251 1.048 1.00 0.01 ATOM 1138 C GLN A 130 23.72 12.251 1.048 1.00 0.01 ATOM 1138 C GLN A 130 23.521 12.257 1.048 1.00 0.01 ATOM 1138 C GLN A 130 23.521 12.257 1.048 1.00 0.01 ATOM 1139 O GLN A 130 23.521 12.767 11.570 1.00 0.00 ATOM 1139 O GLN A 130 23.522 12.767 11.570 1.00 0.00	ATOM	1119	CB	HIS	A	129	24.020	9.140	7.544	1.00	0.01
ATOM 1124 CE1 HIS A 129 24,704 5,605 6,914 1,00 0,01 ATOM 1124 NE2 HIS A 129 24,842 6,088 5,659 1,00 0,001 ATOM 1125 CD2 HIS A 129 24,842 6,088 5,659 1,00 0,00 ATOM 1126 C HIS A 129 22,490 1,0286 9,208 1,00 0,01 ATOM 1127 O HIS A 129 22,490 1,0286 1,029 1,00 0,01 ATOM 1128 N GLN A 130 21,884 11,347 8,692 1,00 0,00 ATOM 1130 CA GLN A 130 21,884 11,347 8,692 1,00 0,01 ATOM 1131 CB GIN A 130 21,884 12,495 9,554 1,00 0,01 ATOM 1132 CG GLN A 130 21,345 1,344 8,723 1,00 0,17 ATOM 1132 CG GLN A 130 22,437 15,685 7,550 1,00 1,72 ATOM 1134 OEI GIN A 130 22,347 15,685 7,550 1,00 1,72 ATOM 1135 NE2 GLN A 130 21,885 15,698 6,313 1,00 2,56 ATOM 1135 NE2 GLN A 130 20,352 12,251 1,0448 1,00 0,01 ATOM 1135 NE2 GLN A 130 20,352 12,251 1,0448 1,00 0,01 ATOM 1139 O GLN A 130 20,352 12,257 11,570 1,00 0,00	ATOM	1120	CG	HIS	A		24.348	7.770	6.990	1.00	0.00
ATOM 1124 NE2 HIS A 129 24.842 6.088 5.659 1.00 0.01 ATOM 1125 CD2 HIS A 129 24.631 7.425 5.690 1.00 0.00 ATOM 1126 C HIS A 129 22.490 10.286 9.208 1.00 0.01 ATOM 1127 O HIS A 129 22.591 10.086 10.429 1.00 0.01 ATOM 1128 N GLN A 130 21.884 11.347 8.692 1.00 0.00 ATOM 1130 CA GLN A 130 21.884 11.347 8.692 1.00 0.00 ATOM 1131 CB GLN A 130 21.884 12.495 9.554 1.00 0.01 ATOM 1132 CG GLN A 130 21.345 13.744 8.723 1.00 0.01 ATOM 1132 CG GLN A 130 22.347 13.685 7.550 1.00 1.72 ATOM 1134 OEI GLN A 130 22.347 15.685 7.550 1.00 1.72 ATOM 1135 NE2 GLN A 130 22.836 16.708 8.220 1.00 2.35 ATOM 1135 NE2 GLN A 130 21.885 15.698 6.313 1.00 2.56 ATOM 1138 C GLN A 130 20.352 12.251 10.448 1.00 0.01 ATOM 1139 O GLN A 130 20.352 12.251 1.0488 1.00 0.01 ATOM 1139 O GLN A 130 20.352 12.767 11.570 1.00 0.01 ATOM 1139 O GLN A 130 20.352 12.767 11.570 1.00 0.01 ATOM 1139 O GLN A 130 20.352 12.767 11.570 1.00 0.01 ATOM 1139 O GLN A 130 20.352 12.767 11.570 1.00 0.01 ATOM 1139 O GLN A 130 20.352 12.767 11.570 1.00 0.01	ATOM	1121	ND1	HIS	A	129	24.406	6.646	7.719	1.00	0.01
ATOM 1125 CD2 HIS A 129 24.631 7.425 5.690 1.00 0.00 ATOM 1126 C HIS A 129 22.490 10.286 9.208 1.00 0.01 ATOM 1127 O HIS A 129 22.490 10.286 9.208 1.00 0.01 ATOM 1128 N GLN A 130 21.584 11.347 8.692 1.00 0.00 ATOM 1130 CA GLN A 130 21.584 11.347 8.692 1.00 0.01 ATOM 1131 CB GLN A 130 21.584 12.495 5.554 1.00 0.01 ATOM 1132 CG GLN A 130 22.530 13.744 8.723 1.00 0.17 ATOM 1133 CD GLN A 130 22.630 14.305 8.135 1.00 0.98 ATOM 1134 OEI GLN A 130 22.347 15.685 7.550 1.00 1.72 ATOM 1135 NE2 GLN A 130 22.330 16.708 8.220 1.00 2.37 ATOM 1135 NE2 GLN A 130 21.885 15.698 6.313 1.00 2.56 ATOM 1138 C GLN A 130 20.352 12.251 10.448 1.00 0.01 ATOM 1139 O GLN A 130 20.352 12.251 10.448 1.00 0.01 ATOM 1139 O GLN A 130 20.352 12.257 11.570 1.00 0.00 ATOM 1139 O GLN A 130 20.352 12.767 11.570 1.00 0.01 ATOM 1139 O GLN A 130 20.352 12.767 11.570 1.00 0.00	ATOM	1123	CE1	HIS	A	129	24.704	5.605	6.914	1.00	0.01
ATOM 1126 C	ATOM	1124	NE2	HIS	A	129	24.842	6.088	5.659	1.00	0.01
ATOM 1127 O	ATOM	1125	CD2	HIS	A	129	24.631	7.425	5.690	1.00	0.00
ATOM 1128 N GLN A 130 21.884 11.347 8.692 1.00 0.00 ATOM 1130 CA GLN A 130 21.584 12.495 9.554 1.00 0.01 ATOM 1131 CB GLN A 130 21.345 13.744 8.723 1.00 0.01 ATOM 1132 CG GLN A 130 22.630 14.305 8.135 1.00 0.98 ATOM 1133 CD GLN A 130 22.347 15.685 7.550 1.00 1.72 ATOM 1134 OEI GLN A 130 22.330 16.708 8.220 1.00 2.37 ATOM 1135 NE2 GLN A 130 21.885 15.698 6.313 1.00 2.56 ATOM 1135 C GLN A 130 20.372 12.251 10.448 1.00	ATOM	1126	C	HIS	A	129	22.490	10.286	9.208	1.00	0.01
ATOM 1130 CA GLN A 130 21.584 12.495 9.554 1.00 0.01	ATOM	1127	0	HIS	A	129	22.551		10.429	1.00	
ATOM 1131 CB GLN A 130 21.345 13.744 8.723 1.00 0.17 ATOM 1132 CG GLN A 130 22.630 14.305 8.135 1.00 0.98 ATOM 1133 CD GLN A 130 22.347 15.685 7.550 1.00 1.72 ATOM 1134 OEI GLN A 130 22.530 16.708 8.220 1.00 2.37 ATOM 1135 NE2 GLN A 130 21.885 15.698 6.313 1.00 2.56 ATOM 1138 C GLN A 130 20.372 12.251 10.448 1.00 0.01 ATOM 1139 O GLN A 130 20.372 12.251 10.448 1.00 0.01	ATOM	1128	N	GLN	A						
ATOM 1132 CG GLN A 130 22.630 14.305 8.135 1.00 0.98 ATOM 1133 CD GLN A 130 22.347 15.685 7.550 1.00 1.72 ATOM 1134 OEI GLN A 130 22.350 16.708 8.220 1.00 2.37 ATOM 1135 NE2 GLN A 130 21.885 15.698 6.313 1.00 2.56 ATOM 1138 C GLN A 130 20.372 12.251 10.448 1.00 0.01 ATOM 1139 O GLN A 130 20.352 12.251 10.448 1.00 0.01	ATOM	1130	CA	GLN	A						
ATOM 1133 CD GLN A 130 22.347 15.685 7.550 1.00 1.72 ATOM 1134 OEI GLN A 130 22.530 16.708 8.220 1.00 2.37 ATOM 1135 NE2 GLN A 130 21.885 15.698 6.313 1.00 2.56 ATOM 1138 C GLN A 130 20.372 12.251 10.448 1.00 0.01 ATOM 1139 O GLN A 130 20.352 12.267 11.570 1.00 0.00											
ATOM 1134 OE1 GLN A 130 22.530 16.708 8.220 1.00 2.37 ATOM 1135 NE2 GLN A 130 21.885 15.698 6.313 1.00 2.56 ATOM 1138 C GLN A 130 20.372 12.251 10.448 1.00 0.01 ATOM 1139 O GLN A 130 20.352 12.767 11.570 1.00 0.00											
ATOM 1135 NE2 GLN A 130 21.885 15.698 6.313 1.00 2.56 ATOM 1138 C GLN A 130 20.372 12.251 10.448 1.00 0.01 ATOM 1139 O GLN A 130 20.352 12.767 11.570 1.00 0.00											
ATOM 1138 C GLN A 130 20.372 12.251 10.448 1.00 0.01 ATOM 1139 O GLN A 130 20.352 12.767 11.570 1.00 0.00											
ATOM 1139 O GLN A 130 20.352 12.767 11.570 1.00 0.00											
ATOM 1140 N GLY A 131 19.527 11.301 10.080 1.00 0.01											
	ATOM	1140	N	GLY	A	131	19.527	11.301	10.080	1.00	0.01

10021	1140		Or vi		1 1 2 1	10.407	10.051	10.012	1.00	0.01
ATOM	1142	CA	GLY	A	131	18.427	10.871	10.943	1.00	0.01
ATOM	1143	С	GLY	A	131	18.960	10.364	12.275	1.00	0.01
ATOM	1144	0	GLY	A	131	18.723	10.998	13.315	1.00	0.01
ATOM	1145	N	PHE	A	132	19.895	9.429	12.203	1.00	0.01
ATOM	1147	CA	PHE	A	132	20.463	8.857	13.427	1.00	0.01
ATOM	1148	CB	PHE	A	132	21.059	7.497	13.110	1.00	0.01
ATOM	1149	CG	PHE	A	132	19.987	6.504	12.696	1.00	0.01
ATOM	1150	CD1	PHE	A	132	18.916	6.253	13.543	1.00	0.01
ATOM	1151	CE1	PHE	A	132	17.930	5.353	13.166	1.00	0.01
ATOM	1152	CZ	PHE	A	132	18.018	4.704	11.942	1.00	0.01
ATOM	1153	CE2	PHE	A	132	19.088	4.957	11.095	1.00	0.01
ATOM	1154	CD2	PHE	A	132	20.071	5.861	11.470	1.00	0.01
ATOM	1155	C	PHE	A	132	21.504	9.756	14.083	1.00	0.01
ATOM	1156	0	PHE	A	132	21.634	9.705	15.310	1.00	0.01
ATOM	1157	N	GLN	A	133	22.021	10.734	13.358	1.00	0.00
ATOM	1159	CA	GLN	A	133	22.907	11.715	13.988	1.00	0.01
ATOM	1160	CB	GLN	A	133	23.676	12.464	12.912	1.00	0.01
ATOM ATOM	1161	CG	GLN	A	133	24.601	11.545	12.125	1.00	0.01
	1162	CD	GLN	A	133	25.235	12.362	11.008	1.00	0.01
ATOM	1163	OE1	GLN	A	133	25.151	12.017	9.820	1.00	0.00
ATOM ATOM	1164	NE2	GLN	A	133	25.763	13.506	11.403	1.00	0.00
ATOM	1167	C	GLN GLN	A	133	22.132	12.726	14.832	1.00	0.01
ATOM	1168 1169	N	HIS	A	133	22.580	13.036	15.942	1.00	0.01
ATOM	1171	CA	HIS		134		13.025 13.966	14.459 15.263	1.00	0.01
ATOM	1172	CB	HIS	A	134	20.097 18.982	14.624	14.460	1.00	0.01
ATOM	1172	CG	HIS	A	134	19.312	15.245	13.125	1.00	0.18
ATOM	1174	ND1	HIS	A	134	18.393	15.644	12.235	1.00	1.74
ATOM	1176	CEI	HIS	A	134	19.018	16.128	11.144	1.00	2.27
ATOM	1177	NE2	HIS	A	134	20.344	16.050	11.364	1.00	2.14
ATOM	1178	CD2	HIS	A	134	20.545	15.536	12.597	1.00	1.59
ATOM	1179	C	HIS	A	134	19.412	13.225	16.393	1.00	0.01
ATOM	1180	o	HIS	A	134	19.141	13.801	17.454	1.00	0.01
ATOM	1181	N	LEU	A	135	19.310	11.920	16.226	1.00	0.01
ATOM	1183	CA	LEU	A	135	18.802	11.066	17.292	1.00	0.01
ATOM	1184	CB	LEU	A	135	18.447	9.732	16.655	1.00	0.01
ATOM	1185	CG	LEU	A	135	17.628	8.844	17.574	1.00	0.01
ATOM	1186	CD1	LEU	A	135	16.426	9.600	18.133	1.00	0.01
ATOM	1187	CD2	LEU	Α	135	17.182	7.601	16.813	1.00	0.01
ATOM	1188	С	LEU	Α	135	19.875	10.912	18.369	1.00	0.01
ATOM	1189	0	LEU	Α	135	19.565	11.061	19.557	1.00	0.01
ATOM	1190	N	VAL	A	136	21.129	10.952	17.944	1.00	0.01
ATOM	1192	CA	VAL	A	136	22.252	11.007	18.884	1.00	0.01
ATOM	1193	CB	VAL	Α	136	23.538	10.706	18.115	1.00	0.27
ATOM	1194	CG1	VAL	Α	136	24.779	11.158	18.874	1.00	0.79
ATOM	1195	CG2	VAL	A	136	23.631	9.230	17.746	1.00	0.30
ATOM	1196	С	VAL	A	136	22.357	12.377	19.558	1.00	0.00
ATOM	1197	0	VAL	Α	136	22.491	12.418	20.786	1.00	0.01
ATOM	1198	N	HIS	A	137	22.011	13.439	18.844	1.00	0.01
ATOM	1200	CA	H1S	A	137	22.037	14.787	19.436	1.00	0.02
ATOM	1201	CB	HIS	A	137	21.806	15.838	18.348	1.00	0.16
ATOM	1202	CG	HIS	A	137	22.837	15.906	17.234	1.00	0.20
ATOM	1203	ND1	HIS	A	137	22.648	16.421	16.003	1.00	0.23
ATOM	1205	CE1	HIS	A	137	23.784	16.303	15.288	1.00	0.21
ATOM	1206	NE2	HIS	A	137	24.709	15.722	16.085	1.00	0.23
ATOM	1207	CD2	HIS	A	137	24.145	15.483	17.290	1.00	0.25
ATOM	1208	C	HIS	A	137	20.950	14.950	20.499	1.00	0.01
ATOM	1209	0	HIS	A	137	21.257	15.358	21.627	1.00	0.01

ATOM	1210	N	SER	Α	138	19.784	14.376	20.239	1.00	0.01
ATOM	1212	CA	SER	A	138	18.665	14.459	21.191	1.00	0.01
ATOM	1213	CB	SER	A	138	17.355	14.205	20.449	1.00	0.30
ATOM	1214	OG	SER	A	138	17.373	12.882	19.930	1.00	0.53
ATOM	1215	С	SER	Α	138	18.799	13.466	22.348	1.00	0.01
ATOM	1216	0	SER	A	138	18.125	13.616	23.375	1.00	0.00
ATOM	1217	N	LEU	Α	139	19.717	12.523	22.225	1.00	0.01
ATOM	1219	CA	LEU	A	139	20.031	11.612	23.325	1.00	0.01
ATOM	1220	CB	LEU	A	139	20.118	10.188	22.797	1.00	0.01
ATOM	1221	CG	LEU	A	139	18.756	9.706	22.308	1.00	0.00
ATOM	1222	CD1	LEU	A	139	18.857	8.310	21.708	1.00	0.01
ATOM	1223	CD2	LEU	A	139	17.723	9.741	23.431	1.00	0.01
ATOM	1224	C	LEU	A	139	21.327	11.991	24.045	1.00	0.01
ATOM	1225	O	LEU	A	139	21.830	11.202	24.853	1.00	0.01
ATOM	1226	N	THR	A	140	21.881	13.152	23.737	1.00	0.01
ATOM	1228	CA	THR	A	140	23.071	13.626	24.453	1.00	0.01
ATOM	1229	CB	THR	A	140	24.276	13.631	23.517	1.00	0.52
ATOM	1230	OG1	THR	A	140	23.934	14.391	22.365	1.00	1.05
ATOM	1230	CG2	THR	A	140	24.672	12,227	23.071	1.00	0.85
ATOM	1232	C			140	22.886	15.029			
ATOM	1232	0	THR	A				25.026	1.00	0.01
ATOM				A	140	23.881	15.742	25.199	1.00	0.01
ATOM	1234	N	VAL	A	141	21.650	15.419	25.304	1.00	0.02
	1236	CA	VAL	A	141	21.356	16.781	25.793	1.00	0.01
ATOM	1237	CB CG1	VAL	A	141	19.842	16.978	25.741	1.00	0.79
	1238		VAL	A	141	19,440	18.380	26.189	1.00	1.02
ATOM	1239	CG2	VAL	A	141	19.312	16.707	24.338	1.00	0.94
ATOM	1240	C	VAL	A	141	21.861	17.027	27.220	1.00	0.01
ATOM	1241	0	VAL	A	141	21.240	16.603	28.202	1.00	0.01
ATOM	1242	N	PRO	A	142	22.865	17.887	27.325	1.00	0.01
ATOM	1243	CA	PRO	A	142	23.559	18.090	28.603	1.00	0.02
ATOM	1244	CB	PRO	A	142	24.852	18.745	28.224	1.00	0.01
ATOM	1245	CG	PRO	A	142	24.793	19.171	26.763	1.00	0.01
ATOM ATOM	1246 1247	CD	PRO PRO	A	142 142	23.476	18.639 18.975	26.223	1.00	0.02
ATOM	1247	C	PRO		142	22.794		29.594	1.00	0.01
ATOM	1249	N	SER	A	142		18.832	30.808	1.00	0.02
ATOM	1251	CA	SER		143	21.846	19.756	29.097	1.00	0.01
ATOM	1251	CB	SER	A	143	21.070	20.655	29.962 29.179	1.00	0.02
ATOM	1252	OG	SER	A	143		21.539			1.07
ATOM	1254	C	SER	A	143	19.787 19.786	19.997	28.164 30.459	1.00	0.01
ATOM	1255	0	SER	A	143	19.786	20.572	31.283	1.00	0.01
ATOM	1256	N	LYS		144					
ATOM	1258	CA	LYS	A	144	19.510 18.340	18.806	29.956	1.00	0.01
ATOM	1259	CB	LYS	A	144	17.101	18.042 18.505	30.382 29.620	1.00	0.02
ATOM	1260	CG	LYS	A	144	15.850	17.808	30.147	1.00	0.39
ATOM	1261	CD	LYS	A	144	15.693	18.028	31.649	1.00	0.73
ATOM	1262	CE	LYS	A	144	14.516	17.238	32.208	1.00	1.90
ATOM	1263	NZ	LYS	A	144	14.372	17.446	33.657	1.00	2.56
ATOM	1264	C	LYS	A	144	18.625	16.575	30.111	1.00	0.01
ATOM	1265	0	LYS	A	144	18.213	16.009	29.089	1.00	0.01
ATOM	1266	N	ASP	A	145	19.330	15.963	31.045	1.00	0.02
ATOM	1268	CA	ASP	A	145	19.767	14.583	30.849	1.00	0.00
ATOM	1269	CB	ASP	A	145	21.057	14.363	31.629	1.00	0.63
ATOM	1270	CG	ASP	A	145	21.709	13.068	31.029	1.00	1.02
ATOM	1270	OD1	ASP	A	145	22.537	12.543	31.886	1.00	1.80
ATOM	1271	OD2	ASP	A	145	21.406	12.543	30.041	1.00	0.62
ATOM	1273	C	ASP	A	145	18.703	13.568	31.272	1.00	0.02
		. ~	17:01	1.0		10.703	12.208	21.272	1.00	0.01
ATOM	1274	0	ASP	A	145	18.729	13.027	32.381	1.00	0.01

ATOM	1275	N	LEU	A	146	17.768	13.333	30.364	1.00	0.01
ATOM	1277	CA	LEU	A	146	16.796	12.240	30.509	1.00	0.02
ATOM	1278	CB	LEU	A	146	15.424	12.731	30.037	1.00	0.01
ATOM	1279	CG	LEU	A	146	14.351	11.649	30.160	1.00	0.01
ATOM	1280	CD1	LEU	A	146	14.209	11.160	31.599	1.00	0.01
ATOM	1281	CD2	LEU	Α	146	13.007	12.109	29.612	1.00	0.01
ATOM	1282	C	LEU	A	146	17.253	11.058	29.650	1.00	0.02
ATOM	1283	0	LEU	Α	146	16.750	9.934	29.763	1.00	0.01
ATOM	1284	N	THR	Α	147	18.323	11.305	28.915	1.00	0.00
ATOM	1286	CA	THR	A	147	18.804	10.382	27.894	1.00	0.01
ATOM	1287	CB	THR	A	147	19.914	11.089	27.153	1.00	2.66
ATOM	1288	OG1	THR	A	147	21.122	10.931	27.882	1.00	3.01
ATOM	1289	CG2	THR	A	147	19.599	12.574	27.002	1.00	3.30
ATOM	1290	C	THR	A	147	19.313	9.064	28.460	1.00	0.01
ATOM	1291	0	THR	A	147	19.523	8.894	29.666	1.00	0.01
ATOM	1292	N	LEU	A	148	19.478	8.131	27.543	1.00	0.01
ATOM	1294	CA	LEU	A	148	19.785	6.740	27.901	1.00	0.00
ATOM	1295	CB	LEU	A	148	19.422	5.797	26.747	1.00	0.01
ATOM	1296	CG	LEU	Α	148	17.933	5.672	26.394	1.00	0.01
ATOM	1297	CD1	LEU	Α	148	17.000	6.009	27.550	1.00	0.00
ATOM	1298	CD2	LEU	Α	148	17.554	6.469	25.149	1.00	0.01
ATOM	1299	C	LEU	A	148	21.263	6.540	28.222	1.00	0.01
ATOM	1300	0	LEU	A	148	22.140	7.211	27.660	1.00	0.02
ATOM	1301	N	LYS	Α	149	21.526	5.577	29.090	1.00	0.01
ATOM	1303	CA	LYS	A	149	22.899	5.138	29.373	1.00	0.01
ATOM	1304	CB	LYS	Α	149	22.989	4.568	30.784	1.00	0.59
ATOM	1305	CG	LYS	A	149	22.743	5.637	31.840	1.00	0.67
ATOM	1306	CD	LYS	A	149	22.935	5.064	33.239	1.00	0.79
ATOM	1307	CE	LYS	A	149	24.323	4.451	33.397	1.00	0.79
ATOM	1308	NZ	LYS	A	149	24.486	3.849	34.730	1.00	1.03
ATOM	1309	С	LYS	A	149	23.310	4.070	28.367	1.00	0.01
ATOM	1310	0	LYS	A	149	23.169	2.862	28.605	1.00	0.01
ATOM	1311	N	MET	A	150	23.712	4.541	27.201	1.00	0.01
ATOM	1313	CA	MET	A	150	24.103	3.652	26.110	1.00	0.02
ATOM	1314	CB	MET	Α	150	23.980	4.407	24.794	1.00	0.87
ATOM	1315	CG	MET	A	150	22.548	4.877	24.562	1.00	1.11
ATOM	1316	SD	MET	A	150	22.254	5.732	22.997	1.00	2.15
ATOM	1317	CE	MET	A	150	22.722	4.406	21.860	1.00	2.30
ATOM	1318	C	MET	A	150	25.525	3.136	26.285	1.00	0.01
ATOM	1319	0	MET	A	150	26.345	3.715	27.004	1.00	0.02
ATOM	1320	N	GLY	A	151	25.762	1.986	25.684	1.00	0.01
ATOM	1322	CA	GLY	A	151	27.084	1.360	25.688	1.00	0.02
ATOM	1323	C	GLY	A	151	27.333	0.658	24.358	1.00	0.01
ATOM	1324	0	GLY	A	151	27.128	-0.558	24.235	1.00	0.01
ATOM	1325	N	SER	A	152	27.756	1.424	23.366	1.00	0.02
ATOM	1327	CA	SER	A	152	27.965	0.840	22.037	1.00	0.01
ATOM	1328	CB	SER	A	152	27.031	1.518	21.042	1.00	0.59
ATOM	1329	OG	SER	A	152	26.747	0.584	20.003	1.00	1.14
ATOM	1330 1331	C	SER	A	152	29.430	0.954	21.604	1.00	0.01
	1331	N	SER	A	152	29.998	2.051	21.483	1.00	0.01
ATOM ATOM	1334	CA	ALA	A	153	30.002	-0.201	21.312	1.00	0.01
ATOM	1334	CB	ALA	A	153	31.434	-0.285	21.014	1.00	0.01
ATOM	1336	СВ	ALA ALA	A	153	32.184	-0.564	22.308	1.00	0.16
ATOM	1336	0	ALA	A	153	31.785	-1.353	19.982	1.00	0.01
ATOM	1338	N	LEU	A	153	31.344	-2.509 -0.952	20.054 19.079	1.00	0.01
ATOM	1340	CA	LEU	A	154	33.177	-0.952	18.032	1.00	0.01
ATOM	1341	CB	LEU	A	154	33.318	-1.043	16.738	1.00	0.02
ATOM	1341	LD	LEEU	Λ.	134	1 33.318	-1.043	10./38	1.00	0.02

ATOM	1342	CG	LEU	Α	154	31.967	-0.608	16.192	1.00	0.02
ATOM	1343	CD1	LEU	A	154	32.149	0.287	14.974	1.00	0.02
ATOM	1344	CD2	LEU	A	154	31,112	-1.821	15.843	1.00	0.01
ATOM	1345	C	LEU	A	154	34.545	-2.373	18.419	1.00	0.02
ATOM	1346	ō	LEU	A	154	35.547	-1.646	18.423	1.00	0.02
ATOM	1347	N	PHE	A	155	34.580	-3.660	18.697	1.00	0.01
ATOM	1349	CA	PHE	A	155	35.833	-4.328	19.045	1.00	0.01
ATOM	1350	CB	PHE	A	155	35.588	-5.319	20.177	1.00	0.01
ATOM	1351	CG	PHE	A	155	35.233	-4.669	21.513	1.00	0.02
ATOM	1352	CD1	PHE	A	155	33.905	-4.509	21.891	1.00	0.02
ATOM	1353	CE1	PHE	A	155	33.595	-3.915	23.108	1.00	0.02
ATOM	1354	CZ	PHE	A	155	34.612	-3.487	23.951	1.00	0.02
ATOM	1355	CE2	PHE	A	155	35.938	-3.656	23.579	1.00	0.02
ATOM	1356	CD2	PHE	A	155	36.248	-4.248	22.362	1.00	0.01
ATOM	1357	C	PHE	A	155	36.396	-5.020	17.811	1.00	0.01
ATOM	1358	0	PHE	A	155	36.004	-6.140	17.456	1.00	0.01
ATOM	1359	N	VAL	A	156	37.292	-4.305	17.155	1.00	0.01
ATOM	1361	CA	VAL	A	156	37.900	-4.765	15.907	1.00	0.02
ATOM	1362	CB	VAL	A	156	38.348	-3.545	15.106	1.00	0.49
ATOM	1363	CG1	VAL	A	156	37.177	-2.605	14.855	1.00	0.60
ATOM	1364	CG2	VAL	A	156	39.465	-2.791	15.815	1.00	0.71
ATOM	1365	C	VAL	A	156	39.096	-5.655	16.208	1.00	0.02
ATOM	1366	0	VAL	A	156	39.663	-5.590	17.305	1.00	0.01
ATOM	1367	N	LYS	A	157	39.400	-6.547	15.284	1.00	0.01
ATOM	1369	CA	LYS	A	157	40.561	-7.422	15.450	1.00	0.01
ATOM	1370	CB	LYS	A	157	40.556	-8.448	14.320	1.00	0.81
ATOM	1371	CG	LYS	A	157	41.622	-9.520	14.506	1.00	0.87
ATOM	1372	CD	LYS	A	157	41.619	-	13.352	1.00	1.04
							10.512			
						j	10.513			
ATOM	1373	CE	LYS	A	157	42.711	-	13.538	1.00	0.96
									1.00	
ATOM ATOM	1373 1374	CE NZ	LYS	A	157 157	42.711 44.032	- 11.559 -	13.538	1.00	0.96 2.10
ATOM	1374	NZ	LYS	A	157	44.032	- 11.559 - 10.918	13.638	1.00	2.10
ATOM ATOM	1374 1375	NZ C	LYS	A	157	44.032	- 11.559 - 10.918 -6.621	13.638	1.00	2.10
ATOM ATOM ATOM	1374 1375 1376	NZ C O	LYS LYS LYS	A A A	157 157 157	44.032 41.862 42.037	- 11.559 - 10.918 -6.621 -5.658	13.638 15.450 14.691	1.00 1.00 1.00	2.10 0.02 0.02
ATOM ATOM ATOM	1374 1375 1376 1377	NZ C O	LYS LYS LYS	A A A	157 157 157 158	44.032 41.862 42.037 42.687	- 11.559 - 10.918 -6.621 -5.658 -6.932	13.638 15.450 14.691 16.434	1.00 1.00 1.00 1.00	2.10 0.02 0.02 0.01
ATOM ATOM ATOM ATOM	1374 1375 1376 1377 1379	NZ C O N CA	LYS LYS LYS LYS LYS	A A A A	157 157 157 158 158	44.032 41.862 42.037 42.687 44.031	- 11.559 - 10.918 -6.621 -5.658 -6.932 -6.371	13.638 15.450 14.691 16.434 16.530	1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.02 0.01 0.01
ATOM ATOM ATOM ATOM ATOM	1374 1375 1376 1377 1379 1380	NZ C O N CA CB	LYS LYS LYS LYS LYS LYS LYS	A A A A A	157 157 157 158 158 158	44.032 41.862 42.037 42.687 44.031 44.706	- 11.559 - 10.918 -6.621 -5.658 -6.932 -6.371 -7.030	13.638 15.450 14.691 16.434 16.530 17.731	1.00 1.00 1.00 1.00 1.00	0.02 0.02 0.02 0.01 0.01 0.36
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	1374 1375 1376 1377 1379 1380 1381	NZ C O N CA CB	LYS LYS LYS LYS LYS LYS LYS LYS LYS	A A A A A	157 157 157 158 158 158 158	44.032 41.862 42.037 42.687 44.031 44.706 46.081	- 11.559 - 10.918 -6.621 -5.658 -6.932 -6.371 -7.030 -6.452	13.638 15.450 14.691 16.434 16.530 17.731 18.039	1.00 1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.02 0.01 0.01 0.36 1.34
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	1374 1375 1376 1377 1379 1380 1381 1382	NZ C O N CA CB CG CD	LYS	A A A A A A	157 157 157 158 158 158 158 158	41.862 42.037 42.687 44.031 44.706 46.081 46.724	- 11.559 - 10.918 -6.621 -5.658 -6.932 -6.371 -7.030 -6.452 -7.176	13.638 15.450 14.691 16.434 16.530 17.731 18.039 19.214	1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.02 0.01 0.01 0.36 1.34 1.37
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	1374 1375 1376 1377 1379 1380 1381 1382 1383	NZ C O N CA CB CG CD CE	LYS	A A A A A A A	157 157 157 158 158 158 158 158 158	44.032 41.862 42.037 42.687 44.031 44.706 46.081 46.724 48.116	- 11.559 - 10.918 -6.621 -5.658 -6.932 -6.371 -7.030 -6.452 -7.176 -6.632	13.638 15.450 14.691 16.434 16.530 17.731 18.039 19.214 19.509	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.02 0.01 0.01 0.36 1.34 1.37 2.23
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	1374 1375 1376 1377 1379 1380 1381 1382 1383 1384	NZ C O N CA CB CG CD CE NZ	LYS	A A A A A A A A	157 157 157 158 158 158 158 158 158 158	44.032 41.862 42.037 42.687 44.031 44.706 46.081 46.724 48.116 48.728	- 11.559 - 10.918 -6.621 -5.658 -6.932 -6.371 -7.030 -6.452 -7.176 -6.632 -7.342	13.638 15.450 14.691 16.434 16.530 17.731 18.039 19.214 19.509 20.642	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.02 0.01 0.01 0.36 1.34 1.37 2.23 2.98
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	1374 1375 1376 1377 1379 1380 1381 1382 1383 1384 1385	NZ C O N CA CB CCG CCD CE NZ C	LYS	A A A A A A A A	157 157 157 158 158 158 158 158 158 158 158	44.032 41.862 42.037 42.687 44.031 44.706 46.081 46.724 48.116 48.728 44.818	- 11.559 - 10.918 -6.621 -5.658 -6.932 -6.371 -7.030 -6.452 -7.176 -6.632 -7.342 -6.663	13.638 15.450 14.691 16.434 16.530 17.731 18.039 19.214 19.509 20.642 15.256	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.02 0.01 0.01 0.36 1.34 1.37 2.23 2.98 0.02
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	1374 1375 1376 1377 1379 1380 1381 1382 1383 1384 1385 1386	NZ C O N CA CB CG CD CE NZ C	LYS	A A A A A A A A A A	157 157 157 158 158 158 158 158 158 158 158 158 158	44.032 41.862 42.037 42.687 44.031 44.706 46.081 46.724 48.116 48.728 44.818 44.750	-11.559 -10.918 -6.621 -5.658 -6.932 -6.371 -7.030 -6.452 -7.176 -6.632 -6.663 -7.342	13.638 15.450 14.691 16.434 16.530 17.731 18.039 19.214 19.509 20.642 15.256 14.708	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.02 0.01 0.01 0.36 1.34 1.37 2.23 2.98 0.02 0.02
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	1374 1375 1376 1377 1379 1380 1381 1382 1383 1384 1385 1386 1387	NZ C O N CA CB CG CD CE NZ C O N	LYS	A A A A A A A A A A A	157 157 157 158 158 158 158 158 158 158 158 158 158	44.032 41.862 42.037 42.687 44.031 44.706 46.081 46.724 48.718 48.728 44.818 44.750 45.458	-11.559 -10.918 -6.621 -5.658 -6.932 -6.371 -7.030 -6.452 -7.176 -6.632 -7.342 -6.663 -7.769 -5.616	13.638 15.450 14.691 16.434 16.530 17.731 18.039 19.214 19.509 20.642 15.256 14.708 14.752	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.02 0.01 0.01 0.36 1.34 1.37 2.23 2.98 0.02 0.02
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	1374 1375 1376 1377 1379 1380 1381 1382 1383 1384 1385 1386 1387 1389	NZ C O N CA CB CG CCD CE NZ C O N CA	LYS	A A A A A A A A A A A A	157 157 158 158 158 158 158 158 158 158 158 158	44.032 41.862 42.037 42.687 44.031 44.706 46.081 46.724 48.116 48.728 44.818 44.758 45.458 46.337	-11.559 -10.918 -6.621 -5.658 -6.932 -6.371 -7.030 -6.452 -7.176 -6.632 -7.342 -6.663 -7.769 -5.616	13.638 15.450 14.691 16.434 16.530 17.731 18.039 19.214 19.509 20.642 15.256 14.708 14.752 13.568	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.02 0.01 0.01 0.36 1.34 1.37 2.23 2.98 0.02 0.02 0.02
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	1374 1375 1376 1377 1379 1380 1381 1382 1383 1384 1385 1386 1387 1389	NZ C O N CA CB CCD CCE NZ C O N CA CB	LYS	A A A A A A A A A A A A A A A A A A A	157 157 158 158 158 158 158 158 158 158 158 158	44.032 41.862 42.037 42.687 44.031 44.706 46.081 46.724 48.116 48.728 44.818 44.750 45.458 46.337 47.312	-11.559 -10.918 -6.621 -5.658 -6.932 -6.371 -7.030 -6.452 -7.176 -6.633 -7.769 -5.666 -5.662 -6.837	13.638 15.450 14.691 16.434 16.530 17.731 18.039 19.214 19.509 20.642 15.256 14.708 14.758 13.568 13.652	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.02 0.01 0.01 0.36 1.34 1.37 2.23 2.98 0.02 0.02 0.02 0.00 0.09
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	1374 1375 1376 1377 1379 1380 1381 1382 1383 1384 1385 1386 1387 1389 1390 1391	NZ C O N CA CB CCB CCD CCE NZ C O N CCA CCB CCC CCB CCC CCB CCC CCB CCC	LYS	A A A A A A A A A A A A A A A A A A A	157 157 157 158 158 158 158 158 158 158 158 158 158	44.032 41.862 42.037 42.687 44.031 44.706 46.081 46.724 48.116 48.728 44.818 44.750 45.458 46.337 47.312 48.235	-11.559 -10.918 -6.621 -5.658 -6.932 -6.371 -7.030 -6.452 -7.176 -6.632 -7.342 -6.663 -7.769 -5.616 -5.662 -6.837 -6.837	13.638 15.450 14.691 16.434 16.530 17.731 18.039 19.214 19.509 20.642 15.256 14.708 14.752 13.658 13.658 13.668	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.02 0.01 0.36 1.34 1.37 2.23 2.98 0.02 0.02 0.02 0.09 1.47
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	1374 1375 1376 1377 1379 1380 1381 1382 1383 1384 1385 1386 1387 1389 1390 1391	NZ C O N C C C C C C C C C C C C C C C C C	LYS LYS LYS LYS LYS LYS LYS LYS	A A A A A A A A A A A A A A A A A A A	157 157 158 158 158 158 158 158 158 158 158 158	44.032 41.862 42.037 42.687 44.031 44.706 46.081 46.724 48.116 48.728 44.818 44.750 45.458 46.337 47.312 48.235 49.069	- 11.559 - 10.918 -6.621 -5.658 -6.932 -6.371 -7.030 -6.452 -7.176 -6.632 -7.342 -6.663 -7.366 -5.616 -5.662 -6.837 -6.729 -6.729 -7.997	13.638 15.450 14.691 16.434 16.530 17.731 18.039 19.219 19.509 20.642 15.256 14.708 14.752 13.568 13.652 14.860 14.999	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.01 0.01 0.36 1.34 1.37 2.23 2.98 0.02 0.02 0.02 0.00 0.09 1.47 1.57
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	1374 1375 1376 1377 1379 1380 1381 1382 1383 1384 1385 1386 1387 1389 1390 1391 1392	NZ C O N N CA CB CCB CCB NZ C C O N CCA CCB CCD CCD CCD CCD CCD CCD CCD CCD CCD	LYS	A A A A A A A A A A A A A A A A A A A	157 157 158 158 158 158 158 158 158 158 158 158	44.032 41.862 42.037 42.687 44.031 44.706 46.081 46.724 48.116 48.728 44.818 44.750 45.458 46.337 47.312 48.235 49.069 49.297	-11.559 -10.918 -6.621 -5.658 -6.932 -6.371 -7.030 -6.452 -7.176 -6.632 -7.342 -6.663 -7.769 -5.662 -6.837 -6.792 -7.997 -8.396	13.638 15.450 14.691 16.434 16.530 17.731 18.039 19.214 19.509 20.642 15.256 14.708 14.752 13.568 13.652 14.860 14.999 16.135	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.02 0.01 0.01 0.36 1.34 1.37 2.23 2.98 0.02 0.02 0.00 0.97 1.47 2.13
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	1374 1375 1376 1377 1380 1381 1382 1383 1384 1385 1386 1387 1390 1391 1392 1393 1394	NZ C O N CA CB CCD CC O N CC O N CC CC CC O N CC C	LYS	A A A A A A A A A A A A A A A A A A A	157 157 158 158 158 158 158 158 158 158 158 158	44.032 41.862 42.037 42.687 44.031 44.706 46.081 46.724 48.116 48.728 44.4750 45.458 46.337 47.312 48.235 49.069 49.515	-11.559 -10.918 -6.621 -5.658 -6.932 -6.371 -7.030 -6.452 -7.176 -6.632 -7.342 -6.663 -7.769 -5.616 -5.662 -6.837 -6.729 -7.997 -8.396 -8.396	13.638 15.450 14.691 16.434 16.530 17.731 18.039 19.214 19.509 20.642 13.568 14.752 13.658 14.752 14.860 14.999 16.135 16.135 13.982	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.02 0.01 0.01 0.36 1.34 1.37 2.23 0.02 0.02 0.02 0.02 0.09 1.47 1.57 2.13 1.77
ATOM ATOM	1374 1375 1376 1377 1380 1381 1382 1383 1384 1385 1387 1389 1390 1391 1392 1393 1394 1395	NZ C O N CCA CCB CCG CCD CCE NZ C O N CCA CCB CCG CCD O O CCB CCG CCD CCB CCB CCG CCD CCB CCB CCG CCD CCB CCC CCD CCB CCC CCD CCC CCC CCC	LYS LYS LYS LYS LYS LYS LYS LYS LYS LYS	A A A A A A A A A A A A A A A A A A A	157 157 158 158 158 158 158 158 158 158 158 158	44.032 41.862 42.037 42.087 44.031 44.706 46.081 46.724 48.116 48.728 44.818 44.750 45.458 46.337 47.312 48.235 49.069 49.297 49.515	-11.559 -6.621 -5.658 -6.932 -6.371 -7.030 -6.452 -7.176 -6.632 -7.769 -5.616 -5.662 -6.837 -6.729 -7.997 -8.396 -8.508	13.638 15.450 14.691 16.434 16.530 17.731 18.039 19.214 19.509 20.642 15.256 14.708 14.752 13.568 13.652 14.860 14.999 16.135 13.982 12.255	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.01 0.01 0.36 1.34 1.37 2.23 2.98 0.02 0.02 0.02 0.02 0.09 1.47 1.57 2.13 1.77 0.01
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	1374 1375 1376 1377 1379 1380 1381 1382 1383 1384 1385 1386 1387 1390 1391 1392 1393 1394 1395	NZ C O N CA CB CCD CCE NZ C C O N CA CB CCD O O O O O O O O O O O O O O O O O O	LYS	A A A A A A A A A A A A A A A A A A A	157 157 158 158 158 158 158 158 158 158	44.032 41.862 42.037 44.031 44.706 46.081 46.724 48.116 48.724 44.818 44.750 45.458 46.337 47.312 48.235 49.297 49.515 45.933	-11.559 -10.918 -6.621 -5.658 -6.932 -6.371 -7.030 -6.452 -7.176 -6.632 -7.342 -6.663 -7.769 -5.616 -5.665 -6.837 -6.729 -7.929 -8.396 -8.508 -5.739 -6.505	13.638 15.450 14.691 16.434 16.530 17.731 18.039 19.214 19.509 20.642 15.256 14.708 14.752 13.568 13.652 14.860 14.999 16.135 13.982 12.255 11.360	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.02 0.01 0.36 1.34 1.37 2.23 2.98 0.02 0.02 0.00 0.97 1.47 2.13 1.77 0.01 0.01
ATOM	1374 1375 1376 1377 1379 1380 1381 1382 1383 1384 1385 1386 1387 1389 1390 1391 1392 1393 1394 1395 1397	NZ C O N CA CB CG CD CE NZ C O N CA CB CC O N CA CB CC C O N N CA CB CC C O O O D O D O D O D O D O D O D O	LYS LYS LYS LYS LYS LYS LYS LYS LYS LYS	A A A A A A A A A A A A A A A A A A A	157 157 157 158 158 158 158 158 158 158 158	44.032 41.862 42.037 44.031 44.706 46.081 46.724 48.118 44.750 44.818 44.750 45.458 46.337 47.312 48.235 49.069 49.295 49.591 45.561 45.933	-11.559 -10.918 -6.621 -5.6558 -6.932 -6.371 -7.136 -6.452 -7.176 -6.632 -7.342 -6.663 -7.769 -5.616 -5.662 -6.837 -6.729 -7.997 -8.396 -8.508 -5.739 -6.505	13.638 15.450 14.691 16.434 16.530 17.731 18.039 19.214 19.509 20.642 14.752 13.568 13.652 14.999 16.135 13.982 12.255 11.360 12.163	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.02 0.01 0.36 1.34 1.37 2.23 2.98 0.02 0.02 0.02 0.02 1.47 1.57 2.13 1.77 0.01 0.02 0.02 0.02 0.02
ATOM ATOM	1374 1375 1376 1377 1379 1380 1381 1382 1383 1384 1385 1386 1389 1390 1391 1392 1393 1394 1395 1396 1399	NZ C O N CA CB CG CD CE NZ C O O N CA CB CC O O N CA CB N CA CB CD O CB N CA CB CD O O D O D O D O D O D O D O D O D O	LYS LYS LYS LYS LYS LYS LYS LYS	A A A A A A A A A A A A A A A A A A A	157 157 157 158 158 158 158 158 158 158 158 159 159 159 159 159 159 159 159 160	44.032 41.862 42.037 42.687 44.031 44.706 46.081 46.724 48.116 48.728 44.818 44.750 45.458 46.337 47.312 48.235 49.069 49.297 49.515 45.933 44.478 43.803	-11.559 -10.918 -6.621 -5.658 -6.932 -6.371 -7.030 -6.452 -7.342 -6.663 -7.769 -5.616 -5.662 -6.837 -6.729 -7.997 -8.396 -8.508 -8.508 -8.508 -8.505 -4.988	13.638 15.450 14.691 16.434 16.530 17.731 18.039 19.214 19.509 20.642 15.256 14.708 14.752 14.860 14.999 16.135 13.982 12.255 11.360 12.163 10.872	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.02 0.01 0.36 1.34 1.37 2.23 2.98 0.02 0.02 0.00 0.07 1.47 1.57 2.13 1.77 0.01 0.02 0.02 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
ATOM ATOM	1374 1375 1376 1377 1379 1380 1381 1382 1383 1384 1385 1387 1389 1390 1391 1392 1393 1394 1395 1397 1397	NZ C O N N CA CB CCB CC CD CE NZ C O N CA CB CG CD CB CG CD CB CG CD CB CCB CCB CCB CCB CCB CCB CCB CCB C	LYS LYS LYS LYS LYS LYS LYS LYS	A A A A A A A A A A A A A A A A A A A	157 157 157 158 158 158 158 158 158 158 159 159 159 159 159 159 159 159 160 160	44.032 41.862 42.037 42.687 44.031 44.706 46.081 46.724 48.116 48.728 44.4750 45.458 46.337 47.312 48.235 49.069 49.515 45.561 45.933 44.478 43.803 44.478 43.803 44.2291	-11.559 -6.621 -5.658 -6.932 -6.371 -7.030 -6.452 -7.176 -6.632 -7.769 -5.616 -5.662 -6.729 -7.997 -8.396 -8.508 -6.505 -6.505 -6.505 -4.986 -4.800	13.638 15.450 14.691 16.434 16.530 17.731 18.039 19.214 19.509 20.642 15.256 14.708 14.752 13.658 14.752 13.681 13.692 14.860 14.999 16.135 10.1360 12.163 10.872 11.054	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.02 0.01 0.01 0.01 0.36 1.34 1.37 2.23 2.98 0.02 0.02 0.02 0.02 0.02 0.00 0.97 1.47 1.57 2.13 1.77 0.01 0.02 0.02 0.02 0.02 0.02 0.02 0.02
ATOM ATOM	1374 1375 1376 1377 1379 1380 1381 1382 1383 1384 1385 1386 1389 1390 1391 1392 1393 1394 1395 1396 1399	NZ C O N CA CB CG CD CE NZ C O O N CA CB CC O O N CA CB N CA CB CD O CB N CA CB CD O O D O D O D O D O D O D O D O D O	LYS LYS LYS LYS LYS LYS LYS LYS	A A A A A A A A A A A A A A A A A A A	157 157 157 158 158 158 158 158 158 158 158 159 159 159 159 159 159 159 159 160	44.032 41.862 42.037 42.687 44.031 44.706 46.081 46.724 48.116 48.728 44.818 44.750 45.458 46.337 47.312 48.235 49.069 49.297 49.515 45.933 44.478 43.803	-11.559 -10.918 -6.621 -5.658 -6.932 -6.371 -7.030 -6.452 -7.342 -6.663 -7.769 -5.616 -5.662 -6.837 -6.729 -7.997 -8.396 -8.508 -8.508 -8.508 -8.505 -4.988	13.638 15.450 14.691 16.434 16.530 17.731 18.039 19.214 19.509 20.642 15.256 14.708 14.752 14.860 14.999 16.135 13.982 12.255 11.360 12.163 10.872	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	2.10 0.02 0.02 0.01 0.01 0.36 1.37 2.23 2.98 0.02 0.02 0.00 0.97 1.47 1.57 2.13 1.77 0.01 0.02 0.02 0.00

ATOM	1403	CD2	LEU	A	160	42.095	-7.249	10.506	1.00	0.00
ATOM	1404	C	LEU	A	160	44.218	-3.479	10.256	1.00	0.00
ATOM	1405	0	LEU	A	160	44.754	-2.605	10.950	1.00	0.02
ATOM	1406	N	GLN	A	161	43.941	-3.317	8.974	1.00	0.01
ATOM	1408	CA	GLN	Α	161	44.189	-2.029	8.312	1.00	0.01
ATOM	1409	CB	GLN	Α	161	44.562	-2.265	6.857	1.00	0.92
ATOM	1410	CG	GLN	Α	161	46.073	-2.179	6.681	1.00	1.52
ATOM	1411	CD	GLN	A	161	46.526	-0.743	6.938	1.00	1.99
ATOM	1412	OE1	GLN	Α	161	45.895	0.209	6.469	1.00	2.12
ATOM	1413	NE2	GLN	Α	161	47.601	-0.601	7.694	1.00	2.59
ATOM	1416	С	GLN	A	161	42.978	-1.108	8.421	1.00	0.00
ATOM	1417	0	GLN	A	161	42.227	-0.902	7.459	1.00	0.00
ATOM	1418	N	LEU	Α	162	42.846	-0.533	9.605	1.00	0.02
ATOM	1420	CA	LEU	Α	162	41.713	0.327	9.948	1.00	0.00
ATOM	1421	CB	LEU	Α	162	41.655	0.461	11.464	1.00	0.02
ATOM	1422	CG	LEU	Α	162	41.484	-0.895	12,139	1.00	0.02
ATOM	1423	CD1	LEU	Α	162	41.692	-0.783	13.644	1.00	0.01
ATOM	1424	CD2	LEU	A	162	40.125	-1.510	11.816	1.00	0.02
ATOM	1425	C	LEU	A	162	41.847	1.709	9.324	1.00	0.00
ATOM	1426	0	LEU	A	162	42.798	2.456	9.587	1.00	0.02
ATOM	1427	N	GLN	Α	163	40.861	2.041	8.516	1.00	0.01
ATOM	1429	CA	GLN	A	163	40.834	3.337	7.847	1.00	0.00
ATOM	1430	CB	GLN	A	163	39.974	3.191	6.604	1.00	0.67
ATOM	1431	CG	GLN	A	163	40.562	2.109	5.706	1.00	1.20
ATOM	1432	CD	GLN	Α	163	39.575	1.724	4.613	1.00	2.06
ATOM	1433	OE1	GLN	Α	163	39.212	0.548	4.484	1.00	2.42
ATOM	1434	NE2	GLN	Α	163	39.127	2.710	3.859	1.00	2.92
ATOM	1437	С	GLN	A	163	40.291	4.420	8.768	1.00	0.01
ATOM	1438	0	GLN	A	163	39.235	4.271	9.398	1.00	0.02
ATOM	1439	N	ALA	Α	164	40.912	5.584	8.666	1.00	0.00
ATOM	1441	CA	ALA	Α	164	40.567	6.716	9.535	1.00	0.02
ATOM	1442	CB	ALA	Α	164	41.691	7.742	9.468	1.00	0.37
ATOM	1443	C	ALA	Α	164	39.244	7.384	9.171	1.00	0.01
ATOM	1444	0	ALA	Α	164	38.627	8.022	10.030	1.00	0.00
ATOM	1445	N	ASN	A	165	38.696	7.036	8.019	1.00	0.02
ATOM	1447	CA	ASN	A	165	37.393	7.564	7.624	1.00	0.02
ATOM	1448	CB	ASN	A	165	37.238	7.379	6.122	1.00	0.32
ATOM	1449	CG	ASN	Α	165	38.369	8.106	5.408	1.00	1.12
ATOM	1450	OD1	ASN	Α	165	39.322	7.482	4.925	1.00	1.77
ATOM	1451	ND2	ASN	A	165	38.285	9.425	5.425	1.00	2.08
ATOM	1454	C	ASN	A	165	36.271	6.831	8.344	1.00	0.01
ATOM	1455	0	ASN	A	165	35.347	7.484	8.842	1.00	0.02
ATOM	1456	N	PHE	A	166	36.494	5.563	8.654	1.00	0.02
ATOM	1458	CA	PHE	A	166	35.481	4.817	9.395	1.00	0.01
ATOM	1459	CB	PHE	Α	166	35.696	3.326	9.201	1.00	0.02
ATOM	1460	CG	PHE	Α	166	34.703	2.464	9.972	1.00	0.02
ATOM	1461	CD1	PHE	A	166	33.360	2.476	9.623	1.00	0.01
ATOM	1462	CE1	PHE	A	166	32.453	1.687	10.317	1.00	0.01
ATOM	1463	CZ	PHE	A	166	32.889	0.892	11.369	1.00	0.02
ATOM	1464	CE2	PHE	A	166	34.230	0.892	11.731	1.00	0.01
ATOM	1465	CD2	PHE	A	166	35.137	1.681	11.035	1.00	0.01
ATOM	1466	C	PHE	A	166	35.573	5.138	10.874	1.00	0.01
ATOM	1467	0	PHE	A	166	34.534	5.303	11.524	1.00	0.02
ATOM ATOM	1468	N CA	LEU	A	167	36.769	5.495	11.315	1.00	0.01
ATOM	1470 1471	CA	LEU	A	167	36.960	5.888	12.712	1.00	0.02
ATOM	1471	CB	LEU	A	167 167	38.457 39.122	5.931 4.585	13.000 12.726	1.00	0.02
ATOM		CDI	LEU	A	167	40.639	4.585	12.726	1.00	0.02
ATOM	1473									

ATOM 1475 C LEU A 167 38.580 3.494 13.643 1.00 0.02 ATOM 1476 O LEU A 167 35.587 7.429 13.923 1.00 0.02 ATOM 1477 N GLY A 168 35.677 7.429 13.923 1.00 0.01 ATOM 1479 CA GLY A 168 35.776 9.427 11.965 1.00 0.01 ATOM 1480 C GLY A 168 35.776 9.427 11.965 1.00 0.01 ATOM 1481 O GLY A 168 33.673 6.977 13.063 1.00 0.01 ATOM 1482 N ASN A 169 33.673 6.977 13.063 1.00 0.01 ATOM 1482 N ASN A 169 33.673 6.977 13.063 1.00 0.01 ATOM 1484 CA ASN A 169 33.238 8.94 11.107 1.00 0.01 ATOM 1485 CB ASN A 169 33.238 8.94 11.107 1.00 0.01 ATOM 1486 CG ASN A 169 32.234 7.956 6.007 1.00 0.32 ATOM 1487 ODI ASN A 169 32.241 9.85 8.607 1.00 0.32 ATOM 1488 ND2 ASN A 169 32.242 1.107 1.00 0.01 ATOM 1491 C ASN A 169 32.425 7.101 7.614 1.00 0.079 ATOM 1492 O ASN A 169 30.833 8.331 13.043 1.00 0.01 ATOM 1495 CA VAL A 170 32.369 6.699 12.934 1.00 0.01 ATOM 1496 CB VAL A 170 32.369 6.699 12.934 1.00 0.01 ATOM 1497 CGI VAL A 170 32.420 8.094 15.663 1.00 0.01 ATOM 1498 CG2 VAL A 170 32.420 8.094 15.663 1.00 0.01 ATOM 1499 C VAL A 170 32.007 6.909 15.397 1.00 0.02 ATOM 1500 O VAL A 170 32.420 8.333 8.331 1.00 0.01 ATOM 1504 CB LYS A 171 33.458 6.940 17.120 1.00 0.02 ATOM 1505 CG LYS A 171 33.458 6.940 17.120 1.00 0.02 ATOM 1506 CD LYS A 171 33.458 6.940 17.125 1.00 0.02 ATOM 1507 CE LYS A 171 33.458 6.940 17.125 1.00 0.02 ATOM 1508 NZ LYS A 171 33.458 6.940 17.125 1.00 0.02 ATOM 1507 CE LYS A 171 33.998 10.082 17.793 1.											
ATOM 1476 O LEU A 167 35.587 7.429 33.923 1.00 0.01 ATOM 1477 N GLY A 168 36.441 8.120 11.955 1.00 0.01 ATOM 1480 C GLY A 168 35.776 9.427 11.965 1.00 0.01 ATOM 1481 O GLY A 168 34.261 9.276 12.052 1.00 0.01 ATOM 1482 N ASN A 169 33.691 8.508 11.136 1.00 0.02 ATOM 1482 N ASN A 169 33.691 8.508 11.136 1.00 0.02 ATOM 1485 CB ASN A 169 33.238 8.294 11.107 1.00 0.01 ATOM 1485 CB ASN A 169 32.238 8.294 11.107 1.00 0.01 ATOM 1486 CG ASN A 169 32.243 7.956 8.607 1.00 0.32 ATOM 1487 DOI ASN A 169 32.243 7.956 8.607 1.00 0.32 ATOM 1487 DOI ASN A 169 32.243 7.956 8.607 1.00 0.32 ATOM 1487 DOI ASN A 169 32.245 7.101 7.614 1.00 0.79 ATOM 1491 C ASN A 169 30.833 8.331 13.043 1.00 0.01 ATOM 1492 O ASN A 169 30.833 8.331 13.043 1.00 0.01 ATOM 1493 N VAL A 170 32.369 6.699 12.934 1.00 0.01 ATOM 1495 CA VAL A 170 32.369 6.699 12.934 1.00 0.01 ATOM 1495 CA VAL A 170 32.203 4.765 14.329 1.00 0.02 ATOM 1496 CB VAL A 170 32.422 3.803 31.89 1.00 0.02 ATOM 1498 CG2 VAL A 170 32.422 3.803 31.89 1.00 0.02 ATOM 1499 C VAL A 170 32.422 3.803 31.89 1.00 0.01 ATOM 1501 N LYS A 171 33.345 8.694 17.120 1.00 0.01 ATOM 1503 CA LYS A 171 33.455 8.694 17.120 1.00 0.01 ATOM 1503 CG LYS A 171 33.455 8.694 17.120 1.00 0.01 ATOM 1505 CG LYS A 171 33.455 8.694 17.120 1.00 0.01 ATOM 1506 CD LYS A 171 33.895 1.0395 1.00 0.01 ATOM 1510 O LYS A 171 33.897 13.365 1.00 0.01 ATOM 1510 O LYS A 171 33.807 1.305 1.00 0.01 ATOM	ATOM	1474	CD2	LEU	Α	167	38.580	3.494	13.643	1.00	0.02
ATOM 1477 N GLY A 168 36.441 8.120 11.951 1.00 0.01 ATOM 1480 C GLY A 168 34.261 9.276 12.052 1.00 0.01 ATOM 1481 O GLY A 168 34.261 9.276 12.052 1.00 0.01 ATOM 1482 N ASN A 169 33.673 9.677 13.063 1.00 0.01 ATOM 1482 N ASN A 169 33.238 8.294 11.107 1.00 0.01 ATOM 1484 CA ASN A 169 33.238 8.294 11.107 1.00 0.01 ATOM 1485 CB ASN A 169 32.238 8.294 11.107 1.00 0.01 ATOM 1486 CG ASN A 169 32.234 7.956 8.607 1.00 0.32 ATOM 1487 ODI ASN A 169 32.241 7.956 8.607 1.00 0.32 ATOM 1488 NDZ ASN A 169 32.242 7.796 8.607 1.00 0.01 ATOM 1498 NDZ ASN A 169 31.692 7.704 12.407 1.00 0.01 ATOM 1491 C ASN A 169 31.692 7.704 12.407 1.00 0.01 ATOM 1492 O ASN A 169 31.692 7.704 12.407 1.00 0.01 ATOM 1495 CA VAL A 170 32.369 6.699 12.934 1.00 0.01 ATOM 1496 CB VAL A 170 32.369 6.699 12.934 1.00 0.01 ATOM 1496 CB VAL A 170 32.420 4.094 15.663 1.00 0.01 ATOM 1498 CG2 VAL A 170 32.420 4.094 15.663 1.00 0.01 ATOM 1499 C VAL A 170 32.420 4.094 15.663 1.00 0.01 ATOM 1501 N LYS A 171 33.345 8.264 16.867 1.00 0.02 ATOM 1503 CA LYS A 171 33.345 8.264 16.867 1.00 0.02 ATOM 1504 CB LYS A 171 33.343 3.143 17.125 1.00 0.02 ATOM 1507 CE LYS A 171 33.347 7.541 15.608 1.00 0.01 ATOM 1506 CD LYS A 171 33.347 7.541 15.608 1.00 0.01 ATOM 1507 CE LYS A 171 37.580 5.666 17.105 1.00 0.02 ATOM 1508 NZ LYS A 171 33.298 10.082 17.793 1.00 0.01 ATOM 1508 NZ LYS A 171 33.298 10.082 17.793 1.00 0.01 ATOM 1510 O LYS A 171 33.299 10.08											
ATOM I479 CA											
ATOM 1480 C GLY A 168 34.261 9.276 12.052 1.00 0.01 ATOM 1481 O GLY A 168 33.673 9.677 13.063 1.00 0.01 ATOM 1482 N ASN A 169 33.691 8.508 11.136 1.00 0.02 ATOM 1484 CA ASN A 169 33.291 8.508 11.136 1.00 0.01 ATOM 1485 CB ASN A 169 33.291 8.508 11.136 1.00 0.01 ATOM 1485 CB ASN A 169 32.238 8.294 11.107 1.00 0.01 ATOM 1486 CG ASN A 169 32.243 7.956 8.607 1.00 0.32 ATOM 1487 ODI ASN A 169 32.241 9.183 8.452 1.00 1.33 ATOM 1488 ND2 ASN A 169 32.425 7.101 7.614 1.00 0.79 ATOM 1491 C ASN A 169 31.692 7.704 12.407 1.00 0.01 ATOM 1492 O ASN A 169 31.692 7.704 12.407 1.00 0.01 ATOM 1493 N VAL A 170 32.369 6.699 12.934 1.00 0.01 ATOM 1495 CA VAL A 170 32.369 6.699 12.934 1.00 0.01 ATOM 1496 CB VAL A 170 32.420 4.094 15.663 1.00 0.01 ATOM 1498 CG2 VAL A 170 32.420 4.094 15.663 1.00 0.01 ATOM 1498 CG2 VAL A 170 32.420 4.094 15.663 1.00 0.01 ATOM 1498 CG2 VAL A 170 32.207 6.909 15.397 1.00 0.02 ATOM 1501 N LYS A 171 33.147 7.541 15.608 1.00 0.01 ATOM 1503 CA LYS A 171 33.438 8.264 16.867 1.00 0.01 ATOM 1504 CB LYS A 171 33.438 8.940 17.120 1.00 0.02 ATOM 1505 CG LYS A 171 33.438 6.940 17.120 1.00 0.02 ATOM 1506 CD LYS A 171 33.483 33.31 7.125 1.00 0.02 ATOM 1507 CE LYS A 171 33.289 10.08 17.120 1.00 0.02 ATOM 1508 CZ LYS A 171 37.580 5.666 17.105 1.00 0.02 ATOM 1510 O LYS A 171 37.580 5.666 17.105 1.00 0.02 ATOM 1510 O LYS A 171 37.580 5.665 17.105 1.00 0.02 ATOM 1510 O LYS A 171 37.580 5.655											
ATOM 1481											
ATOM 1484 CA	ATOM				Α						
ATOM 1484 CA	ATOM	1481	0	GLY	Α	168	33.673	9.677	13.063	1.00	0.01
ATOM 1485 CB ASN A 169 31.922 7.334 9.965 1.00 0.23	ATOM	1482	N	ASN	A	169	33.691	8.508	11.136	1.00	0.02
ATOM 1486 CG ASN A 169 32.241 9.183 8.452 1.00 0.32 ATOM 1487 ODI ASN A 169 32.242 7.101 7.614 1.00 0.79 ATOM 1488 ND2 ASN A 169 32.425 7.101 7.614 1.00 0.79 ATOM 1491 C ASN A 169 31.692 7.704 12.407 1.00 0.01 ATOM 1492 O ASN A 169 31.692 7.704 12.407 1.00 0.01 ATOM 1493 N VAL A 170 32.369 6.699 12.934 1.00 0.01 ATOM 1495 CA VAL A 170 32.369 6.699 12.934 1.00 0.01 ATOM 1495 CA VAL A 170 32.369 6.699 12.934 1.00 0.01 ATOM 1496 CB VAL A 170 32.400 4.094 15.663 1.00 0.01 ATOM 1497 CGI VAL A 170 32.420 4.094 15.663 1.00 0.01 ATOM 1498 CG2 VAL A 170 32.422 3.803 31.89 1.00 0.02 ATOM 1498 CG2 VAL A 170 32.207 6.909 15.397 1.00 0.02 ATOM 1500 O VAL A 170 32.007 6.909 15.397 1.00 0.02 ATOM 1501 N LYS A 171 33.147 7.541 15.608 1.00 0.01 ATOM 1501 N LYS A 171 33.447 7.541 15.608 1.00 0.01 ATOM 1505 CG LYS A 171 33.488 8.264 16.867 1.00 0.01 ATOM 1506 CD LYS A 171 33.483 33.31 7.125 1.00 0.02 ATOM 1506 CD LYS A 171 33.481 33.33 17.125 1.00 0.02 ATOM 1508 NZ LYS A 171 37.580 5.606 17.105 1.00 0.02 ATOM 1509 C LYS A 171 37.580 5.606 17.105 1.00 0.02 ATOM 1509 C LYS A 171 37.580 1.088 1.7129 1.00 0.02 ATOM 1509 C LYS A 171 37.580 1.088 1.7129 1.00 0.02 ATOM 1510 O LYS A 171 37.580 1.088 1.7129 1.00 0.02 ATOM 1510 O LYS A 171 37.580 1.088 1.7129 1.00 0.02 ATOM 1510 O LYS A 171 37.580 1.088 1.7129 1.00 0.02 ATOM 1510 O LYS A 171 37.580 1.088 1.7129 1.00 0.02 ATOM 1510 O LYS A 171 37.580 1.088 1.71	ATOM	1484	CA	ASN	Α	169	32.238	8.294	11.107	1.00	0.01
ATOM 1487 ODI ASN A 169 32.241 9.183 8.452 1.00 1.33 ATOM 1488 ND2 ASN A 169 32.425 7.101 7.614 1.00 0.79 ATOM 1491 C ASN A 169 31.692 7.704 12.407 1.00 0.01 ATOM 1492 O ASN A 169 30.833 8.331 3.043 1.00 0.01 ATOM 1493 N VAL A 170 32.369 6.699 12.934 1.00 0.01 ATOM 1495 CA VAL A 170 32.369 6.699 12.934 1.00 0.01 ATOM 1496 CB VAL A 170 32.205 4.765 14.329 1.00 0.02 ATOM 1496 CB VAL A 170 32.420 4.094 15.663 1.00 0.01 ATOM 1496 CB VAL A 170 32.422 3.803 31.89 1.00 0.02 ATOM 1497 CGI VAL A 170 32.422 3.803 31.89 1.00 0.02 ATOM 1499 C VAL A 170 32.422 3.803 31.89 1.00 0.02 ATOM 1500 O VAL A 170 30.007 6.909 15.397 1.00 0.01 ATOM 1501 N LYS A 171 33.345 8.264 16.867 1.00 0.01 ATOM 1503 CA LYS A 171 33.345 8.264 16.867 1.00 0.01 ATOM 1505 CG LYS A 171 33.4843 8.333 17.125 1.00 0.02 ATOM 1506 CD LYS A 171 33.4843 8.333 17.125 1.00 0.02 ATOM 1506 CD LYS A 171 35.485 6.940 17.120 1.00 0.02 ATOM 1508 NZ LYS A 171 33.495 8.694 17.120 1.00 0.02 ATOM 1509 C LYS A 171 32.773 9.677 16.841 1.00 0.01 ATOM 1510 N RAG A 172 32.835 10.316 15.688 1.00 0.01 ATOM 1511 N ARG A 172 32.835 10.316 15.688 1.00 0.01 ATOM 1516 CD ARG A 172 33.587 13.311 1.0777 1.00 0.02 ATOM 1516 CD ARG A 172 33.587 13.311 1.0777 1.00 0.02 ATOM 1517 NE ARG A 172 33.587 13.311 1.0777 1.00 0.01 ATOM 1518 CZ ARG A 172 33.587 13.311 1.0777 1.00 0.01 ATOM 1519 NH1 ARG A 172 33.587 13.311 1.0777 1.00 0.01 ATOM 1520 NE ARG A 172 33.587	ATOM	1485	CB	ASN	Α	169	31.922	7.334	9.965	1.00	0.23
ATOM 1488 ND2	ATOM	1486	CG	ASN	Α	169	32.243	7.956	8.607	1.00	0.32
ATOM 1491 C ASN A 169 31.692 7.704 12.407 1.00 0.01 ATOM 1492 O ASN A 169 30.833 8.331 13.043 1.00 0.01 ATOM 1493 N VAL A 170 32.369 6.699 12.934 1.00 0.01 ATOM 1496 CB VAL A 170 32.369 6.699 12.934 1.00 0.01 ATOM 1496 CB VAL A 170 32.3705 4.765 14.329 1.00 0.01 ATOM 1496 CB VAL A 170 32.420 4.094 15.663 1.00 0.01 ATOM 1497 CG1 VAL A 170 32.422 4.094 15.663 1.00 0.01 ATOM 1498 CG2 VAL A 170 32.422 3.803 31.89 1.00 0.02 ATOM 1499 C VAL A 170 32.207 6.999 15.397 1.00 0.01 ATOM 1500 O VAL A 170 30.975 7.179 16.027 1.00 0.02 ATOM 1501 N LYS A 171 33.345 8.264 16.867 1.00 0.01 ATOM 1503 CA LYS A 171 33.345 8.264 16.867 1.00 0.01 ATOM 1504 CB LYS A 171 33.481 8.333 17.125 1.00 0.00 ATOM 1505 CG LYS A 171 35.458 6.940 17.120 1.00 0.02 ATOM 1506 CD LYS A 171 37.580 5.666 17.105 1.00 0.02 ATOM 1507 CE LYS A 171 39.050 5.655 17.105 1.00 0.02 ATOM 1509 C LYS A 171 39.2098 10.082 17.129 1.00 0.02 ATOM 1510 O LYS A 171 32.2098 10.082 17.129 1.00 0.02 ATOM 1510 O LYS A 171 32.2098 10.082 17.793 1.00 0.01 ATOM 1510 O LYS A 171 32.2098 10.082 17.793 1.00 0.01 ATOM 1514 CB ARG A 172 32.835 10.316 15.688 1.00 0.01 ATOM 1516 CD ARG A 172 32.835 10.316 15.688 1.00 0.01 ATOM 1517 NE ARG A 172 32.835 10.316 15.688 1.00 0.01 ATOM 1518 CZ ARG A 172 32.835 10.316 15.688 1.00 0.01 ATOM 1510 O LYS A 171 39.909 13.909 13.909 13.909 13.909 13.909 13.909 13.909 13.909 13.909 13.909 13.909 13.909 13.909 13.909 13.909 13.909 13.90	ATOM	1487	OD1	ASN	Α	169	32.241	9.183	8.452	1.00	1.33
ATOM 1493 N	ATOM	1488	ND2	ASN	Α	169	32.425	7.101	7.614	1.00	0.79
ATOM 1492 O	ATOM	1491	C	ASN	Α	169	31.692	7.704	12,407	1.00	0.01
ATOM 1495 N											
ATOM 1496 CB											
ATOM 1496 CB											
ATOM 1497 CG1											
ATOM 1498 CG2											
ATOM 1499 C											
ATOM ISON O											
ATOM											
ATOM ISO3											
ATOM IS04 CB											
ATOM ISOS CG											
ATOM ISO6 CD											
ATOM 1507 CE											
ATOM 1508 NZ											
ATOM ISO9 C											
ATOM IS10											
ATOM 1511											
ATOM 1513											
ATOM 1514 CB ARG A 172 33.397 12.362 14.591 1.00 0.23 ATOM 1515 CG ARG A 172 32.990 13.760 14.149 1.00 1.13 ATOM 1516 CD ARG A 172 33.933 14.237 13.052 1.00 1.10 ATOM 1517 NE ARG A 172 33.933 14.237 13.052 1.00 1.10 ATOM 1518 CZ ARG A 172 33.933 14.237 13.052 1.00 1.10 ATOM 1519 NH ARG A 172 33.721 12.299 9.917 1.00 2.53 ATOM 1519 NH1 ARG A 172 33.721 12.299 9.917 1.00 3.39 ATOM 1520 NH2 ARG A 172 32.953 14.425 10.404 1.00 3.21 ATOM 1521 C ARG A 172 30.992 1.1912 15.124 1.00 0.01 ATOM 1522 O ARG A 172 30.331 12.858 15.567 1.00 0.01 ATOM 1523 N LEU A 173 30.467 10.983 14.344 1.00 0.01 ATOM 1525 CA LEU A 173 29.098 11.161 13.854 1.00 0.01 ATOM 1526 CB LEU A 173 29.098 11.161 13.854 1.00 0.01 ATOM 1527 CG LEU A 173 29.098 11.616 13.854 1.00 0.01 ATOM 1528 CD1 LEU A 173 30.030 11.409 10.102 1.00 0.01 ATOM 1530 C LEU A 173 29.540 13.263 1.1717 1.00 0.01 ATOM 1531 O LEU A 173 29.591 10.546 14.576 1.00 0.02 ATOM 1532 N TYR A 174 27.508 6.919 15.148 1.00 0.01 ATOM 1535 CB TYR A 174 27.605 6.919 15.148 1.00 0.01 ATOM 1536 CG TYR A 174 27.665 6.919 15.148 1.00 0.01 ATOM 1538 CEI TYR A 174 27.827 7.171 12.659 1.00 0.00 ATOM 1538 CEI TYR A 174 27.827 7.171 12.659 1.00 0.00 ATOM 1538 CEI TYR A 174 27.514 6.850 11.668 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.668 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.668 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.668 1.00 0.01 ATOM 1539 CZ TYR A											
ATOM 1516 CD ARG A 172 33.933 14.237 13.052 1.00 1.10											
ATOM 1516 CD ARG A 172 33.933 14.237 13.052 1.00 1.10	ATOM	1515	CG	ARG	Α	172	32.990	13.760	14.149	1.00	1.13
ATOM 1517 NE	ATOM	1516	CD	ARG	Α	172				1.00	1.10
ATOM 1519 NH1	ATOM	1517	NE	ARG	Α		34.064	13.196	12.018	1.00	1.48
ATOM 1519 NH1	ATOM	1518	CZ	ARG	A	172	33.587	13.311	10.777	1.00	2.53
ATOM 1520 NH2	ATOM	1519	NH1	ARG		172		12.299	9.917	1.00	
ATOM IS21 C ARG A I72 30.992 I1.912 I1.24 1.00 0.01 ATOM IS22 O ARG A I72 30.992 I1.912 I1.24 1.00 0.01 ATOM IS23 N LEU A I73 30.467 I0.983 I4.344 1.00 0.01 ATOM IS25 CA LEU A I73 29.062 I0.874 I1.361 I1.384 I1.00 0.01 ATOM IS26 CB LEU A I73 29.062 I0.874 I1.365 I1.00 0.01 ATOM IS27 CG LEU A I73 29.977 I1.809 I1.572 I1.00 0.01 ATOM IS28 CD1 LEU A I73 29.977 I1.809 I1.572 I1.00 0.02 ATOM IS28 CD1 LEU A I73 29.540 I3.263 I1.717 I1.00 0.01 ATOM IS30 C LEU A I73 29.540 I3.263 I1.717 I1.00 0.01 ATOM IS30 C LEU A I73 28.103 I0.255 I4.571 I1.00 0.01 ATOM IS31 O LEU A I73 28.901 I0.546 I4.576 I1.00 0.01 ATOM IS34 CA TYR A I74 28.592 9.176 I5.160 I1.00 0.01 ATOM IS35 CB TYR A I74 27.605 6.919 I5.148 I1.00 0.01 ATOM IS36 CG TYR A I74 27.282 7.217 I1.659 I1.00 0.01 ATOM IS37 CD1 TYR A I74 27.282 7.191 I1.547 I1.00 0.01 ATOM IS38 CE1 TYR A I74 27.282 7.191 I1.547 I1.00 0.01 ATOM IS39 CZ TYR A I74 27.282 7.191 I1.547 I1.00 0.01 ATOM IS39 CZ TYR A I74 27.282 7.191 I1.547 I1.00 0.01 ATOM IS39 CZ TYR A I74 27.282 7.191 I1.547 I1.00 0.01 ATOM IS39 CZ TYR A I74 27.282 7.191 I1.547 I1.00 0.00	ATOM	1520	NH2	ARG	A	172	32.953	14.425	10.404	1.00	3.21
ATOM 1523 N LEU A 173 30.467 10.983 14.344 1.00 0.01 ATOM 1525 CA LEU A 173 29.098 11.61 13.884 1.00 0.01 ATOM 1526 CB LEU A 173 29.092 10.874 12.356 1.00 0.01 ATOM 1527 CG LEU A 173 29.977 11.809 11.572 1.00 0.02 ATOM 1528 CD1 LEU A 173 29.977 11.809 11.572 1.00 0.02 ATOM 1529 CD2 LEU A 173 29.540 13.263 11.717 1.00 0.01 ATOM 1530 C LEU A 173 29.540 13.263 11.717 1.00 0.01 ATOM 1531 O LEU A 173 28.103 10.255 14.571 1.00 0.01 ATOM 1532 N TYR A 174 28.992 9.176 15.160 1.00 0.01 ATOM 1534 CA TYR A 174 28.992 9.176 15.160 1.00 0.01 ATOM 1535 CB TYR A 174 27.605 6.919 15.148 1.00 0.01 ATOM 1536 CG TYR A 174 27.282 7.217 12.659 1.00 0.01 ATOM 1537 CD1 TYR A 174 27.282 7.217 12.659 1.00 0.01 ATOM 1539 CZ TYR A 174 27.282 7.192 11.547 1.00 0.00 ATOM 1539 CZ TYR A 174 27.282 7.192 11.547 1.00 0.00 ATOM 1539 CZ TYR A 174 27.282 7.192 11.547 1.00 0.00 ATOM 1539 CZ TYR A 174 27.282 7.192 11.547 1.00 0.00	ATOM	1521	С	ARG	Α	172	30.992	11.912	15.124		0.01
ATOM 1525 CA LEU A 173 29.098 11.161 13.854 1.00 0.01 ATOM 1526 CB LEU A 173 29.092 10.874 12.356 1.00 0.01 ATOM 1527 CG LEU A 173 29.977 11.809 11.572 1.00 0.02 ATOM 1528 CD1 LEU A 173 30.030 11.409 10.102 1.00 0.01 ATOM 1529 CD2 LEU A 173 29.540 13.263 11.717 1.00 0.01 ATOM 1530 C LEU A 173 28.103 10.255 14.571 1.00 0.01 ATOM 1531 O LEU A 173 28.103 10.255 14.571 1.00 0.01 ATOM 1532 N TYR A 174 28.592 9.176 15.160 1.00 0.01 ATOM 1535 CB TYR A 174 27.700 8.255 15.881 1.00 0.01 ATOM 1536 CG TYR A 174 27.655 6.919 15.148 1.00 0.01 ATOM 1536 CG TYR A 174 27.825 7.217 12.659 1.00 0.01 ATOM 1537 CD1 TYR A 174 27.282 7.217 12.659 1.00 0.01 ATOM 1538 CEI TYR A 174 27.825 7.192 11.547 1.00 0.00 ATOM 1538 CEI TYR A 174 26.452 7.192 11.547 1.00 0.00 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.00	ATOM	1522	0	ARG	Α	172	30.331	12.858	15.567	1.00	0.01
ATOM 1526 CB LEU A 173 29.062 10.874 12.356 1.00 0.01 ATOM 1527 CG LEU A 173 29.977 11.809 11.572 1.00 0.02 ATOM 1528 CD1 LEU A 173 30.930 11.409 10.102 1.00 0.01 ATOM 1529 CD2 LEU A 173 29.540 13.263 11.717 1.00 0.01 ATOM 1530 C LEU A 173 29.540 13.263 11.717 1.00 0.01 ATOM 1531 O LEU A 173 28.103 10.255 14.571 1.00 0.01 ATOM 1532 N TYR A 174 28.592 9.176 15.160 1.00 0.01 ATOM 1535 CB TYR A 174 27.700 8.255 15.881 1.00 0.01 ATOM 1536 CG TYR A 174 27.605 6.919 15.148 1.00 0.01 ATOM 1536 CG TYR A 174 27.282 7.217 12.659 1.00 0.01 ATOM 1537 CD1 TYR A 174 27.282 7.217 12.659 1.00 0.01 ATOM 1539 CE TYR A 174 27.282 7.192 11.547 1.00 0.00 ATOM 1539 CE TYR A 174 26.452 7.192 11.547 1.00 0.00 ATOM 1539 CZ TYR A 174 26.452 7.192 11.547 1.00 0.00	ATOM			LEU	A	173	30.467	10.983	14.344	1.00	0.01
ATOM 1527 CG LEU A 173 29.977 11.809 11.572 1.00 0.02 ATOM 1528 CD1 LEU A 173 30.930 11.409 10.102 1.00 0.01 ATOM 1529 CD2 LEU A 173 29.540 13.263 11.717 1.00 0.01 ATOM 1530 C LEU A 173 28.103 10.255 14.571 1.00 0.01 ATOM 1531 O LEU A 173 28.103 10.255 14.571 1.00 0.01 ATOM 1532 N TYR A 174 28.592 9.176 15.160 1.00 0.01 ATOM 1534 CA TYR A 174 27.700 8.255 15.881 1.00 0.01 ATOM 1535 CB TYR A 174 27.706 6.919 15.148 1.00 0.01 ATOM 1536 CG TYR A 174 26.771 6.904 13.912 1.00 0.01 ATOM 1537 CD1 TYR A 174 27.282 7.217 12.659 1.00 0.01 ATOM 1538 CEI TYR A 174 26.452 7.192 11.547 1.00 0.00 ATOM 1539 CZ TYR A 174 26.452 7.192 11.547 1.00 0.00 ATOM 1539 CZ TYR A 174 26.452 7.192 11.547 1.00 0.00 ATOM 1539 CZ TYR A 174 26.451 4.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 26.452 7.192 11.547 1.00 0.00		1525	CA	LEU	A		29.098				0.01
ATOM 1528 CD1 LEU A 173 30,030 11,409 10,102 1.00 0.01 ATOM 1529 CD2 LEU A 173 29,540 13,263 11,717 1.00 0.01 ATOM 1530 C LEU A 173 28,103 10,255 14,571 1.00 0.01 ATOM 1531 O LEU A 173 26,901 10,546 14,576 1.00 0.02 ATOM 1532 N TYR A 174 28,592 9,176 15,160 1.00 0.01 ATOM 1534 CA TYR A 174 27,700 8,255 15,881 1.00 0.01 ATOM 1535 CB TYR A 174 27,605 6,919 15,148 1.00 0.01 ATOM 1536 CG TYR A 174 27,702 27,701 12,659 1.00 0.01 ATOM 1537 CD1 TYR A 174 27,282 7,217 12,659 1.00 0.01 ATOM 1538 CEI TYR A 174 27,282 7,192 11,547 1.00 0.00 ATOM 1539 CZ TYR A 174 25,114 6,850 11,688 1.00 0.01 ATOM 1539 CZ TYR A 174 25,114 6,850 11,688 1.00 0.01 ATOM 1539 CZ TYR A 174 25,114 6,850 11,688 1.00 0.01	ATOM	1526			A	173	29.062	10.874	12.356		0.01
ATOM 1529 CD2 LEU A 173 29.540 13.263 11.717 1.00 0.01 ATOM 1530 C LEU A 173 28.103 10.255 14.571 1.00 0.01 ATOM 1531 O LEU A 173 26.901 10.546 14.576 1.00 0.02 ATOM 1532 N TYR A 174 28.592 9.176 15.160 1.00 0.01 ATOM 1534 CA TYR A 174 27.700 8.255 15.881 1.00 0.01 ATOM 1535 CB TYR A 174 27.605 6.919 15.148 1.00 0.01 ATOM 1536 CG TYR A 174 27.625 6.919 15.148 1.00 0.01 ATOM 1537 CD1 TYR A 174 27.282 7.217 12.659 1.00 0.01 ATOM 1539 CZ TYR A 174 26.452 7.192 11.547 1.00 0.00 ATOM 1539 CZ TYR A 174 26.452 7.192 11.547 1.00 0.00 ATOM 1539 CZ TYR A 174 26.511 6.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01	ATOM	1527	CG				29.977				
ATOM I530 C LEU A 173 28,103 10,255 14,571 1,00 0,01 ATOM I531 O LEU A 173 26,901 10,546 14,576 1,00 0,02 ATOM I532 N TYR A 174 28,592 9,176 15,160 1,00 0,01 ATOM I534 CA TYR A 174 27,700 8,255 15,881 1,00 0,01 ATOM I535 CB TYR A 174 27,706 6,919 15,148 1,00 0,01 ATOM I536 CG TYR A 174 26,771 6,904 13,912 1,00 0,01 ATOM I537 CD1 TYR A 174 27,282 7,217 12,659 1,00 0,01 ATOM I538 CEI TYR A 174 26,452 7,192 11,547 1,00 0,00 ATOM I539 CZ TYR A 174 26,452 7,192 11,547 1,00 0,00 ATOM I539 CZ TYR A 174 26,114 6,850 11,688 1,00 0,01 ATOM I539 CZ TYR A 174 26,114 6,850 11,688 1,00 0,01	ATOM	1528	CD1	LEU	A	173	30.030	11.409	10.102	1.00	0.01
ATOM 1531 O LEU A 173 26,901 10,546 14,576 1,00 0,02 ATOM 1532 N TYR A 174 28,592 9,176 15,160 1,00 0,01 ATOM 1534 CA TYR A 174 27,700 8,255 15,881 1,00 0,01 ATOM 1535 CB TYR A 174 27,665 6,919 15,148 1,00 0,01 ATOM 1536 CG TYR A 174 27,665 6,919 15,148 1,00 0,01 ATOM 1537 CD1 TYR A 174 27,282 7,217 12,659 1,00 0,01 ATOM 1538 CEI TYR A 174 26,452 7,192 11,547 1,00 0,00 ATOM 1539 CZ TYR A 174 26,452 1,168 1,1688 1,00 0,00			CD2		Α			13.263		1.00	0.01
ATOM 1532 N TYR A 174 28.592 9.176 15.160 1.00 0.01 ATOM 1534 CA TYR A 174 27.706 8.255 15.881 1.00 0.01 ATOM 1535 CB TYR A 174 27.605 6.919 15.148 1.00 0.01 ATOM 1536 CG TYR A 174 27.675 6.904 13.912 1.00 0.01 ATOM 1537 CDI TYR A 174 27.282 7.217 12.659 1.00 0.01 ATOM 1538 CEI TYR A 174 26.452 7.192 11.547 1.00 0.00 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 1.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 1.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 1.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 1.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 1.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 0.850 1.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 0.850 1.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 0.850 1.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 0.850 1.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 0.850 1.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 0.850	ATOM	1530	C	LEU	Α		28.103	10.255	14.571	1.00	0.01
ATOM 1534 CA TYR A 174 27.700 8.255 15.881 1.00 0.01 ATOM 1535 CB TYR A 174 27.665 6.919 15.148 1.00 0.01 ATOM 1536 CG TYR A 174 26.771 6.904 13.912 1.00 0.01 ATOM 1537 CD1 TYR A 174 27.282 7.217 12.659 1.00 0.01 ATOM 1538 CEI TYR A 174 26.452 7.192 11.547 1.00 0.00 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 26.719 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01 ATOM 1539 CZ TYR A 174 26.771 12.685 1.00 0.01 ATOM 1539 CZ TYR A 174 26.771 12.685 1.00 0.01 ATOM 1539 CZ TYR A 174 26.771 12.685 1.00 0.01 ATOM 1539 CZ TYR A 174 26.771 12.685 1.00 0.01 ATOM 1539 CZ TYR A 174 26.771 12.685 1.00 0.01 ATOM 1539 CZ TYR A 174 26.771 12.685 1.00 0.01 ATOM 1539 CZ TYR A 174 26.771 12.685 1.00 0.01 ATOM 1539 CZ TYR A 174 26.771 12.685 1.00 0.01 ATOM 1539 CZ TYR A 174 26.771 12.685 1.00 0.01 ATOM 1539 CZ TYR A 174 26.771 12.685 1.00 0.01 ATOM 1539 CZ TYR A 174 26.771 1.00 0.01 ATOM 1539 CZ TYR A 174 26.771 1.00 0.01 ATOM 1539 CZ TYR A 174 26.771 1.00 0.01 ATOM 1539 CZ TYR A 174 26.771 1.00 0.01 ATOM 1539 CZ TYR A 174 26.771 1.00 0.01 ATOM 1530 CZ TYR A 174 26.771 0.01 ATOM											
ATOM 1535 CB TYR A 174 27.665 6.919 15.148 1.00 0.01 ATOM 1536 CG TYR A 174 26.6771 6.904 13.912 1.00 0.01 ATOM 1537 CD1 TYR A 174 27.282 7.217 12.659 1.00 0.01 ATOM 1538 CEI TYR A 174 26.452 7.192 11.547 1.00 0.00 ATOM 1539 CZ TYR A 174 26.452 7.192 11.547 1.00 0.00											
ATOM 1536 CG TYR A 174 26.771 6.904 13.912 1.00 0.01 ATOM 1537 CDI TYR A 174 27.282 7.217 12.659 1.00 0.01 ATOM 1538 CEI TYR A 174 26.452 7.192 11.547 1.00 0.00 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01											
ATOM 1537 CDI TYR A 174 27.282 7.217 12.659 1.00 0.01 ATOM 1538 CEI TYR A 174 26.452 7.192 11.547 1.00 0.00 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01											
ATOM 1538 CE1 TYR A 174 26.452 7.192 11.547 1.00 0.00 ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01					A					1.00	0.01
ATOM 1539 CZ TYR A 174 25.114 6.850 11.688 1.00 0.01					A			7.217	12.659	1.00	0.01
ATOM 1540 OH TYR A 174 24.338 6.654 10.568 1.00 0.01											
	ATOM	1540	OH	TYR	A	174	24.338	6.654	10.568	1.00	0.01

1 mon 1	1544	CID 0	my rm					400.0		0.04
ATOM	1541	CE2	TYR	A	174	24.599	6.548	12.940	1.00	0.01
ATOM	1542	CD2	TYR	A	174	25.429	6.576	14.052	1.00	0.01
ATOM	1543	С	TYR	A	174	28.088	8.028	17.342	1.00	0.01
ATOM	1544	0	TYR	A	174	27.429	7.233	18.025	1.00	0.01
ATOM	1545	N	GLU	A	175	29.085	8.764	17.816	1.00	0.02
ATOM	1547	CA	GLU	A	175	29.666	8.641	19.175	1.00	0.01
ATOM	1548	CB	GLU	A	175	28.893	9.507	20.187	1.00	2.11
ATOM	1549	CG	GLU	Α	175	27.387	9.247	20.319	1.00	2.81
ATOM	1550	CD	GLU	A	175	27.038	8.241	21.419	1.00	3.91
ATOM	1551	OE1	GLU	A	175	27.508	8.466	22.527	1.00	4.60
ATOM	1552	OE2	GLU	A	175	26.072	7.518	21.217	1.00	4.31
ATOM	1553	С	GLU	Α	175	29.848	7.202	19.666	1.00	0.02
ATOM	1554	0	GLU	A	175	29.416	6.852	20.768	1.00	0.02
ATOM	1555	N	ALA	Α	176	30.497	6.378	18.863	1.00	0.01
ATOM	1557	CA	ALA	A	176	30.770	5.009	19.298	1.00	0.01
ATOM	1558	CB	ALA	Α	176	30.085	4.021	18.371	1.00	0.31
ATOM	1559	C	ALA	Α	176	32.265	4.741	19.371	1.00	0.02
ATOM	1560	0	ALA	A	176	33.063	5.261	18.581	1.00	0.01
ATOM	1561	N	GLU	A	177	32.630	3.913	20.331	1.00	0.01
ATOM	1563	CA	GLU	A	177	34.048	3.668	20.610	1.00	0.02
ATOM	1564	CB	GLU	A	177	34.154	3.396	22.101	1.00	0.01
ATOM	1565	CG	GLU	A	177	33.567	4.556	22.894	1.00	0.02
ATOM	1566	CD	GLU	Α	177	33.460	4.182	24.366	1.00	0.01
ATOM	1567	OE1	GLU	Α	177	34.417	4.421	25.089	1.00	0.02
ATOM	1568	OE2	GLU	A	177	32.414	3.674	24.741	1.00	0.02
ATOM	1569	С	GLU	A	177	34.603	2.482	19.829	1.00	0.02
ATOM	1570	0	GLU	A	177	34.006	1.401	19.833	1.00	0.02
ATOM	1571	N	VAL	Α	178	35.710	2.696	19.138	1.00	0.01
ATOM	1573	CA	VAL	A	178	36.389	1.592	18.442	1.00	0.02
ATOM	1574	CB	VAL	A	178	36.763	2.034	17.029	1.00	0.21
ATOM	1575	CG1	VAL	A	178	37.555	0.962	16.287	1.00	0.34
ATOM	1576	CG2	VAL	A	178	35.525	2.417	16.230	1.00	0.34
ATOM	1577	С	VAL	Α	178	37.641	1.164	19.208	1.00	0.02
ATOM	1578	0	VAL	Α	178	38.536	1.975	19.474	1.00	0.01
ATOM	1579	N	PHE	Α	179	37.673	-0.103	19.582	1.00	0.02
ATOM	1581	CA	PHE	Α	179	38.813	-0.652	20.325	1.00	0.02
ATOM	1582	CB	PHE	A	179	38.331	-1.131	21.688	1.00	0.01
ATOM	1583	CG	PHE	A	179	37.785	-0.030	22.590	1.00	0.02
ATOM	1584	CD1	PHE	A	179	38.610	1.013	22.989	1.00	0.01
ATOM	1585	CEI	PHE	A	179	38.114	2.014	23.814	1.00	0.02
ATOM	1586	CZ	PHE	A	179	36.794	1.969	24.241	1.00	0.01
ATOM	1587	CE2	PHE	A	179	35.969	0.926	23.841	1.00	0.01
ATOM	1588	CD2	PHE	A	179	36.464	-0.074	23.015	1.00	0.02
ATOM	1589	C	PHE	A	179	39.456	-1.824	19.594	1.00	0.01
ATOM	1590	ō	PHE	A	179	38.765	-2.745	19.145	1.00	0.02
ATOM	1591	N	SER	A	180	40.772	-1.770	19.469	1.00	0.02
ATOM	1593	CA	SER	A	180	41.520	-2.893	18.890	1.00	0.01
ATOM	1594	CB	SER	A	180	42.876	-2.402	18.405	1.00	0.08
ATOM	1595	OG	SER	A	180	43.587	-3.537	17.933	1.00	0.09
ATOM	1596	C	SER	A	180	41.713	-3.982	19.938	1.00	0.03
ATOM	1597	o	SER	A	180	42.463	-3.816	20.906	1.00	0.02
ATOM	1598	N	THR	A	181	41.050	-5.100	19.718	1.00	0.01
ATOM	1600	CA	THR	A	181	41.020	-6.168	20.712	1.00	0.02
ATOM	1601	CB	THR	A	181	39.553	-6.503	20.935	1.00	0.65
ATOM	1602	OG1	THR	A	181	38.817	-5.290	20.839	1.00	1.46
ATOM	1603	CG2	THR	A	181	39.298	-7.129	22.301	1.00	0.43
ATOM	1604	C	THR	A	181	41.786	-7.129	20.221	1.00	0.43
ATOM	1605	0	THR	A	181	41.690	-7.780	19.049	1.00	0.03
ATOM	1005		IIII	А	101	+1.090	-7.780	19.049	1.00	0.01

ATOM	1606	N	ASP	A	182	42.579	-7.975	21.104	1.00	0.02
ATOM	1608	CA	ASP	A	182	43.355	-9.159	20.722	1.00	0.02
ATOM	1609	CB	ASP	A	182	44.572	-9.307	21.629	1.00	0.71
ATOM	1610	CG	ASP	A	182	45.377	3,507	21.174	1.00	0.75
ATOM	1010		ASI	A	102	43.377	10.519	21.174	1.00	0.73
ATOM	1611	OD1	ASP	A	182	45.596	10.515	19.972	1.00	0.69
ALI OM	1011	OD!	7101	1 *	102	45.570	10.586	17.772	1.00	0.09
ATOM	1612	OD2	ASP	A	182	45.339	10.560	21.906	1.00	0.90
ATOM	1012	ODZ	ASI	Α.	102	73.333	11.498	21.900	1.00	0.90
ATOM	1613	c	ASP	Α	182	42.503	11.476	20.768	1.00	0.00
ATOM	1013		ASI	A	102	42.303	10.426	20.708	1.00	0.00
ATOM	1614	0	A CID	+	100	12 100	10.426	21.756	1.00	0.00
ATOM	1614	10	ASP	A	182	42.490	- 11.160	21.756	1.00	0.02
477016	1616	ļ.,	DITE	١	100	10.001	11.169	10.500		
ATOM	1615	N	PHE	Α	183	42.021	-	19.589	1.00	0.02
		+	 	-			10.785			
ATOM	1617	CA	PHE	Α	183	41.163	-	19.427	1.00	0.01
							11.961			
ATOM	1618	CB	PHE	A	183	40.225	-	18.253	1.00	0.02
					1.		11.721			
ATOM	1619	CG	PHE	A	183	39.191	-	18.536	1.00	0.01
				1			10.636	1		
ATOM	1620	CD1	PHE	A	183	38.500	-	19.740	1.00	0.01
							10.639			
ATOM	1621	CE1	PHE	A	183	37.560	-9.652	20.004	1.00	0.01
ATOM	1622	CZ	PHE	A	183	37.310	-8.664	19.061	1.00	0.02
ATOM	1623	CE2	PHE	A	183	37.996	-8.666	17.855	1.00	0.00
ATOM	1624	CD2	PHE	A	183	38.936	-9.652	17.593	1.00	0.02
ATOM	1625	CD2	PHE	A	183	41.938	-9.032	19.246	1.00	0.02
ATOM	1023	L .	rne	A	103	41.938	12.264	19.246	1.00	0.01
ATOM	1/2/	1	DITE	-	102	41.306	13.264	10.104	1.00	0.01
ATOM	1626	0	PHE	A	183	41.325	-	19.184	1.00	0.01
ATOM	1607	NT.	OFF		104	10.000	14.335	10.001	1.00	0.04
ATOM	1627	N	SER	A	184	43.263	-	19.291	1.00	0.01
			l		1		13.192			
ATOM	1629	CA	SER	A	184	44.070	-	19.321	1.00	0.02
							14.418	1		
ATOM	1630	CB	SER	A	184	45.492	-	18.858	1.00	0.40
			1				14.127			
ATOM	1631	OG	SER	A	184	46.142	-	19.866	1.00	1.07
					1		13.367			
ATOM	1632	C	SER	A	184	44.093	-	20.744	1.00	0.02
							14.982			
ATOM	1633	0	SER	A	184	44.506	-	20.961	1.00	0.01
							16.127			
ATOM	1634	N	ASN	A	185	43.690	-	21.703	1.00	0.00
					1		14.163			
ATOM	1636	CA	ASN	A	185	43.336	-	23.023	1.00	0.02
	1050	0.1	1.0.1	1.	100	13.330	14.670	25.025	1.00	0.02
ATOM	1637	CB	ASN	A	185	44.304	-	24.072	1.00	0.49
ATOM	1037	CB	ASIN	Α.	105	44.304	14.136	24.072	1.00	0.49
ATOM	1638	CG	ASN	A	185	44.036	14.130	25.415	1.00	1.22
ATOM	1036	100	Aon	A.	100	44.030	14.015	23.413	1.00	1.32
ATOM	1620	ODI	A COL	-	105	42.010	14.815	25 047	1.00	1.66
ATOM	1639	OD1	ASN	A	185	42.918	14.767	25.947	1.00	1.55
4.TO3.	1640	NIDO	4.001	+-	106	45.055	14.767	25.022	1.00	2.05
ATOM	1640	ND2	ASN	A	185	45.056	15 475	25.933	1.00	2.05
1000	4.5.10	-		+	1		15.472	l		
ATOM	1643	C	ASN	A	185	41.915	-	23.337	1.00	0.02
		-	1	-			14.218			
ATOM	1644	0	ASN	Α	185	41.708	-	24.036	1.00	0.02
	L		1			<u> </u>	13.214	1		

ATOM	1645	N	PRO	Α	186	40.958	15.073	23.010	1.00	0.01
ATOM	1646	CA	PRO	A	186	39.547	14.699	23.123	1.00	0.02
ATOM	1647	СВ	PRO	A	186	38.808	15.742	22.343	1.00	0.14
ATOM	1648	CG	PRO	A	186	39.772	16.852	21.951	1.00	0.20
ATOM	1649	CD	PRO	A	186	41.142	16.410	22.435	1.00	0.14
ATOM	1650	С	PRO	A	186	39.027	14.640	24.564	1.00	0.02
ATOM	1651	0	PRO	A	186	38.000	13.994	24.797	1.00	0.01
ATOM	1652	N	SER	A	187	39.786	- 15.119	25.538	1.00	0.01
ATOM	1654	CA	SER	A	187	39.295	- 15.048	26.913	1.00	0.02
ATOM	1655	СВ	SER	A	187	39.850	16.206	27.741	1.00	0.10
ATOM	1656	OG	SER	A	187	41.267	- 16.119	27.793	1.00	1.03
ATOM	1657	С	SER	Α	187	39.656	13.702	27.533	1.00	0.02
ATOM	1658	0	SER	A	187	38.778	- 13.067	28.128	1.00	0.01
ATOM	1659	N	ILE	A	188	40.787	13.144	27.130	1.00	0.02
ATOM	1661	CA	ILE	A	188	41.173	11.823	27.627	1.00	0.02
ATOM	1662	СВ	ILE	A	188	42.691	- 11.705	27.593	1.00	0.16
ATOM	1663	CG2	ILE	A	188	43.138	10.302	27.988	1.00	0.71
ATOM	1664	CG1	ILE	A	188	43.322	12.737	28.518	1.00	0.98
ATOM	1665	CD1	ILE	A	188	44.841	12.619	28.524	1.00	1.50
ATOM	1666	С	ILE	A	188	40.537	10.730	26.782	1.00	0.02
ATOM	1667	0	1LE	A	188	40.068	-9.726	27.338	1.00	0.02
ATOM	1668	N	ALA	A	189	40.245	11.065	25.536	1.00	0.02
ATOM	1670	CA	ALA	A	189	39.522	10.135	24.668	1.00	0.02
ATOM	1671	СВ	ALA	Α	189	39.525	- 10.700	23.255	1.00	0.02
ATOM	1672	С	ALA	A	189	38.085	-9.964	25.141	1.00	0.02
ATOM	1673	0	ALA	Α	189	37.648	-8.831	25.380	1.00	0.02
ATOM	1674	N	GLN	A	190	37.508	11.065	25.592	1.00	0.01
ATOM	1676	CA	GLN	A	190	36.132	11.066	26.081	1.00	0.02
ATOM	1677	СВ	GLN	Α	190	35.692	12.514	26.029	1.00	0.17
ATOM	1678	CG	GLN	Α	190	34.203	- 12.707	26.211	1.00	0.67
ATOM	1679	CD	GLN	Α	190	33.898	14.128	25.770	1.00	1.38

ATOM	1680	OE1	GLN	A	190	32.823	-	25.226	1.00	2.17
							14.394			
ATOM	1681	NE2	GLN	A	190	34.948	-	25.720	1.00	2.05
							14.929			
ATOM	1684	С	GLN	A	190	36.026	-	27.506	1.00	0.02
1					-		10.537			
ATOM	1685	0	GLN	A	190	35.015	-9.914	27.853	1.00	0.01
ATOM	1686	N	ALA	A	191	37.130	-	28.234	1.00	0.01
1110.11	1000	1			1.7.	571120	10.569	20125	1100	0.01
ATOM	1688	CA	ALA	A	191	37.151	-9.978	29.568	1.00	0.02
ATOM	1689	CB	ALA	A	191	38.387		30.312	1.00	0.09
ATOM	1009	CB	ALA	Α.	191	36.367	10.467	30.312	1.00	0.09
ATOM	1690	С	ALA	A	191	37.178	-8.460	29.464	1.00	0.02
ATOM	1691	0	ALA	A	191	36.374	-7.803	30.135	1.00	0.02
ATOM	1692	N	ARG	A	192	37.836	-7.949	28.435	1.00	0.01
ATOM	1694	CA	ARG	A	192	37.847	-6.502	28.210	1.00	0.01
ATOM	1695	CB	ARG	A	192	38.983	-6.166	27.256	1.00	0.18
ATOM	1696	CG	ARG	A	192	40.332	-6.317	27.948	1.00	0.97
ATOM	1697	CD	ARG	A	192	41.484	-6.059	26.985	1.00	1.10
ATOM	1698	NE	ARG	A	192	41.578	-7.133	25.987	1.00	1.92
ATOM	1699	CZ	ARG	A	192	42.740	-7.521	25.458	1.00	2.61
ATOM	1700	NH1	ARG	A	192	43.863	-6.868	25.763	1.00	3.27
ATOM	1701	NH2	ARG	A	192	42.773	-8.534	24.592	1.00	3.22
ATOM	1702	С	ARG	A	192	36.524	-6.006	27.636	1.00	0.02
ATOM	1703	0	ARG	Α	192	36.009	-4.985	28.111	1.00	0.01
ATOM	1704	N	ILE	A	193	35.862	-6.846	26.857	1.00	0.01
ATOM	1706	CA	ILE	A	193	34.552	-6.478	26,313	1.00	0.02
ATOM	1707	CB	ILE	A	193	34.160	-7.505	25.258	1.00	0.01
ATOM	1708	CG2	ILE	A	193	32.765	-7.216	24.719	1.00	0.02
ATOM	1709	CG1	ILE	A	193	35.172	-7.510	24.121	1.00	0.02
ATOM	1710	CD1	ILE	A	193	34.843	-8.578	23.087	1.00	0.02
ATOM	1711	C	ILE	A	193	33.486	-6.430	27.406	1.00	0.00
ATOM	1712	ō	ILE	A	193	32.863	-5.376	27.594	1.00	0.02
ATOM	1713	N	ASN	A	194	33.515	-7.409	28.296	1.00	0.02
ATOM	1715	CA	ASN	A	194	32.533	-7.467	29.378	1.00	0.02
ATOM	1716	CB	ASN	A	194	32.502	-8.893	29.900	1.00	0.02
ATOM	1717	CG			194	31.780	-9.764	28.883	1.00	0.02
	1717		ASN	A						
ATOM		OD1	ASN	A	194	30.787	-9.320	28.289	1.00	0.02
ATOM	1719	ND2	ASN	A	194	32.154	-	28.844	1.00	0.02
170016	1500	-	1.007		101	22.024	11.028	20.401	1.00	0.00
ATOM	1722	C	ASN	A	194	32.821	-6.502	30.521	1.00	0.02
ATOM	1723	0	ASN	A	194	31.865	-6.020	31.147	1.00	0.02
ATOM	1724	N	SER	A	195	34.059	-6.057	30.644	1.00	0.02
ATOM	1726	CA	SER	A	195	34.377	-5.051	31.654	1.00	0.02
ATOM	1727	CB	SER	A	195	35.849	-5.156	32.027	1.00	0.14
ATOM	1728	OG	SER	A	195	36.057	-6.438	32.601	1.00	0.40
ATOM	1729	C	SER	A	195	34.074	-3.648	31.148	1.00	0.01
ATOM	1730	0	SER	Α	195	33.677	-2.794	31.947	1.00	0.02
ATOM	1731	N	HIS	A	196	34.015	-3.488	29.836	1.00	0.02
ATOM	1733	CA	HIS	Α	196	33.628	-2.201	29.258	1.00	0.02
ATOM	1734	CB	HIS	Α	196	34.143	-2.145	27.826	1.00	0.17
ATOM	1735	CG	HIS	Α	196	33.764	-0.873	27.099	1.00	1.00
ATOM	1736	ND1	HIS	Α	196	32.882	-0.755	26.088	1.00	2.01
ATOM	1738	CE1	HIS	A	196	32.814	0.536	25.706	1.00	2.59
ATOM	1739	NE2	HIS	A	196	33.661	1.240	26.490	1.00	2.37
ATOM	1740	CD2	HIS	A	196	34.254	0.385	27.353	1.00	1.67
ATOM	1741	C	HIS	A	196	32.111	-2.043	29.265	1.00	0.03
ATOM	1742	0	HIS	A	196	31.601	-0.956	29.572	1.00	0.02
ATOM	1.772	10	1110	1.0	170	21.001	1 -0.220	27.212	1.00	0.02

	,									
ATOM	1743	N	VAL	A	197	31.420	-3.169	29.187	1.00	0.01
ATOM	1745	CA	VAL	A	197	29.958	-3.169	29.286	1.00	0.02
ATOM	1746	CB	VAL	A	197	29.467	-4.552	28.875	1.00	0.01
ATOM	1747	CG1	VAL	A	197	27.989	-4.721	29.171	1.00	0.01
ATOM	1748	CG2	VAL	A	197	29.752	-4.831	27.404	1.00	0.01
ATOM	1749	С	VAL	A	197	29.518	-2.860	30.716	1.00	0.01
ATOM	1750	0	VAL	A	197	28.743	-1.915	30.935	1.00	0.01
ATOM	1751	N	LYS	A	198	30.263	-3.415	31.658	1.00	0.01
ATOM	1753	CA	LYS	A	198	30.030	-3.139	33,072	1.00	0.01
ATOM	1754	CB	LYS	A	198	30.907	-4.106	33.854	1.00	0.11
ATOM	1755	CG	LYS	A	198	30.931	-3.796	35.343	1.00	0.81
ATOM	1756	CD	LYS	A	198	31.958	-4.676	36.041	1.00	0.83
ATOM	1757	CE	LYS	A	198	33.334	-4.491	35.411	1.00	1.41
ATOM	1758	NZ	LYS	A	198	34.329	-5.373	36.041	1.00	2.32
ATOM	1759	С	LYS	A	198	30.403	-1.705	33.439	1.00	0.01
ATOM	1760	0	LYS	A	198	29.614	-1.038	34.119	1.00	0.01
ATOM	1761	N	LYS	A	199	31.413	-1.162	32.779	1.00	0.01
ATOM	1763	CA	LYS	A	199	31.881	0.196	33.062	1.00	0.02
ATOM	1764	СВ	LYS	A	199	33.240	0.367	32.391	1.00	0.02
ATOM	1765	CG	LYS	A	199	33.799	1.771	32.582	1.00	0.02
ATOM	1766	CD	LYS	A	199	35.105	1.951	31.818	1.00	0.01
ATOM	1767	CE	LYS	A	199	35.636	3.373	31.955	1.00	0.02
ATOM	1768	NZ	LYS	A	199	36.877	3.548	31.184	1.00	0.01
ATOM	1769	C	LYS	A	199	30.935	1.281	32.553	1.00	0.02
ATOM	1770	ō	LYS	A	199	30.631	2.207	33.317	1.00	0.02
ATOM	1771	N	LYS	A	200	30.300	1.076	31.409	1.00	0.01
ATOM	1773	CA	LYS	A	200	29.396	2.122	30.913	1.00	0.00
ATOM	1774	CB	LYS	A	200	29.241	2.021	29.403	1.00	0.54
ATOM	1775	CG	LYS	A	200	30.566	2.268	28.696	1.00	0.77
ATOM	1776	CD	LYS	A	200	30.344	2.585	27.223	1.00	1.41
ATOM	1777	CE	LYS	A	200	29.590	3.900	27.054	1.00	2.57
ATOM	1778	NZ	LYS	A	200	29.363	4.207	25.632	1.00	3.36
ATOM	1779	С	LYS	A	200	28.025	2.062	31.577	1.00	0.02
ATOM	1780	0	LYS	A	200	27.350	3.091	31.696	1.00	0.01
ATOM	1781	N	THR	A	201	27.706	0.918	32.158	1.00	0.01
ATOM	1783	CA	THR	A	201	26.471	0.794	32.935	1.00	0.02
ATOM	1784	CB	THR	A	201	25.869	-0.573	32.675	1.00	0.02
ATOM	1785	OG1	THR	A	201	26.737	-1.537	33.256	1.00	0.01
ATOM	1786	CG2	THR	A	201	25.729	-0.843	31.182	1.00	0.02
ATOM	1787	С	THR	A	201	26.710	0.937	34,436	1.00	0.01
ATOM	1788	0	THR	A	201	25.821	0.578	35.217	1.00	0.02
ATOM	1789	N	GLN	A	202	27.929	1.298	34.815	1.00	0.01
ATOM	1791	CA	GLN	Α	202	28.342	1.444	36.222	1.00	0.01
ATOM	1792	CB	GLN	Α	202	27.749	2.737	36.767	1.00	0.01
ATOM	1793	CG	GLN	Α	202	28.390	3.955	36.107	1.00	0.02
ATOM	1794	CD	GLN	Α	202	29.832	4.128	36.586	1.00	0.02
ATOM	1795	OE1	GLN	Α	202	30.071	4.474	37.748	1.00	0.02
ATOM	1796	NE2	GLN	A	202	30.781	3.868	35.702	1.00	0.02
ATOM	1799	C	GLN	A	202	27.944	0.258	37.096	1.00	0.02
ATOM	1800	0	GLN	Α	202	27.133	0.391	38.017	1.00	0.02
ATOM	1801	N	GLY	A	203	28.388	-0.919	36.684	1.00	0.01
ATOM	1803	CA	GLY	Α	203	28.146	-2.150	37.443	1.00	0.02
ATOM	1804	С	GLY	Α	203	26.858	-2.892	37.073	1.00	0.01
ATOM	1805	0	GLY	A	203	26.715	-4.067	37.432	1.00	0.02
ATOM	1806	N	LYS	A	204	25.948	-2.241	36.365	1.00	0.02
ATOM	1808	CA	LYS	Α	204	24.640	-2.848	36.097	1.00	0.02
ATOM	1809	CB	LYS	A	204	23.717	-1.784	35.509	1.00	0.02
ATOM	1810	CG	LYS	Α	204	22.306	-2.319	35.295	1.00	0.02

ATOM	1811	CD	LYS	A	204	21.668	-2.736	36.615	1.00	0.01
ATOM	1812	CE	LYS	A	204	20.310	-3.385	36.387	1.00	0.02
ATOM	1813	NZ	LYS	A	204	20.448	-4.592	35.555	1.00	0.01
ATOM	1814	C	LYS	Α	204	24.714	-4.046	35.154	1.00	0.02
ATOM	1815	0	LYS	Α	204	24.300	-5.148	35.535	1.00	0.01
ATOM	1816	N	VAL	A	205	25.316	-3.888	33.988	1.00	0.02
ATOM	1818	CA	VAL	A	205	25.328	-5.002	33.046	1.00	0.02
ATOM	1819	CB	VAL	Α	205	24.963	-4.480	31.663	1.00	1.75
ATOM	1820	CG1	VAL	Α	205	24.930	-5.618	30.660	1.00	2.29
ATOM	1821	CG2	VAL	A	205	23.609	-3.781	31.690	1.00	1.90
ATOM	1822	С	VAL	A	205	26.693	-5.678	33.049	1.00	0.02
ATOM	1823	0	VAL	A	205	27.606	-5.332	32.287	1.00	0.02
ATOM	1824	N	VAL	A	206	26.830	-6.623	33.959	1.00	0.02
ATOM	1826	CA	VAL	Α	206	28.087	-7.359	34.091	1.00	0.02
ATOM	1827	CB	VAL	A	206	28,282	-7.714	35.564	1.00	0.02
ATOM	1828	CG1	VAL	A	206	28.669	-6.487	36.378	1.00	0.02
ATOM	1829	CG2	VAL	A	206	27.044	-8.374	36.164	1.00	0.02
ATOM	1830	C	VAL	A	206	28.135	-8.619	33.226	1.00	0.02
ATOM	1831	0	VAL	Α	206	27.325	-9.541	33.380	1.00	0.02
ATOM	1832	N	ASP	A	207	29.094	-8.621	32.311	1.00	0.01
ATOM	1834	CA	ASP	A	207	29.461	-9.822	31.538	1.00	0.01
ATOM	1835	CB	ASP	A	207	29.973	-	32.545	1.00	0.01
							10.855			
ATOM	1836	CG	ASP	A	207	30.574	-	31.861	1.00	0.02
							12.075			
ATOM	1837	OD1	ASP	A	207	31.781	-	31.656	1.00	0.02
							12.066			
ATOM	1838	OD2	ASP	A	207	29.828	-	31.589	1.00	0.01
							13.006			
ATOM	1839	C	ASP	A	207	28.307	-	30.715	1.00	0.02
							10.405			
ATOM	1840	0	ASP	A	207	27.567	-	31.197	1.00	0.01
							11.272			
ATOM	1841	N	ILE	A	208	28.194	-9.988	29.464	1.00	0.02
ATOM	1843	CA	1LE	A	208	27.103	-	28.619	1.00	0.02
							10.495			
ATOM	1844	CB	1LE	A	208	26.250	-9.320	28.151	1.00	2.45
ATOM	1845	CG2	1LE	A	208	25.292	-9.714	27.031	1.00	3.34
ATOM	1846	CG1	ILE	A	208	25.463	-8.770	29.330	1.00	3.29
ATOM	1847	CD1	ILE	A	208	24.554	-9.843	29.922	1.00	4.19
ATOM	1848	C	ILE	A	208	27.613		27.438	1.00	0.01
				_			11.320			
ATOM	1849	0	ILE	A	208	26.952	-	27.023	1.00	0.00
100011				ļ.,			12.280			
ATOM	1850	N	ILE	A	209	28.838		27.020	1.00	0.02
				L.			11.054			
ATOM	1852	CA	1LE	A	209	29.452		25.933	1.00	0.02
10011	-0.50			<u> </u>			11.827			
ATOM	1853	CB	ILE	Α	209	30.602		25.362	1.00	1.56
10000		~~~					10.999			
ATOM	1854	CG2	1LE	A	209	31.305	-	24.229	1.00	2.38
A TOP 4	1855	CCI	1F.F	1.	200	20.007	11.731	24.063	1.00	2.02
ATOM		CG1	1LE	A	209	30.097	-9.651	24.861	1.00	2.02
	1856	CD1	1LE	A	209	29.197	-9.802	23.639	1.00	2.14
ATOM	1857	С	ILE	A	209	29.949	12 157	26.494	1.00	0.02
ATOM	1858	0	ILE	1	209	20.976	13.157	27.214	1.00	0.02
ATOM	1838	١٠	ILE	A	209	30.876	13 182	27.314	1.00	0.02

ATOM	1859	N	GLN	A	210	29.245	14.223	26.140	1.00	0.02
ATOM	1861	CA	GLN	A	210	29.515	15.557	26.698	1.00	0.01
ATOM	1862	CB	GLN	A	210	28.181	16.245	26.979	1.00	1.43
ATOM	1863	CG	GLN	A	210	27.267	15.429	27.887	1.00	2.09
ATOM	1864	CD	GLN	A	210	27.915	15.196	29.247	1.00	2.72
ATOM	1865	OE1	GLN	A	210	28.581	16.080	29.799	1.00	2.94
ATOM	1866	NE2	GLN	A	210	27.649	14.026	29.797	1.00	3.33
ATOM	1869	С	GLN	A	210	30.311	-	25.763	1.00	0.02
ATOM	1870	0	GLN	A	210	30.722	16.465	26.167	1.00	0.02
ATOM	1871	N	GLY	A	211	30.544	17.560	24.542	1.00	0.01
ATOM	1873	CA	GLY	A	211	31.234	16.021	23.587	1.00	0.02
ATOM	1874	С	GLY	A	211	31.664	16.887	22.315	1.00	0.01
ATOM	1875	0	GLY	A	211	30.924	16.167	21.323	1.00	0.01
ATOM	1876	N	LEU	A	212	32.829	16.144	22.365	1.00	0.02
ATOM	1878	CA	LEU	A	212	33.429	15.544	21.131	1.00	0.02
ATOM	1879	СВ	LEU	A	212	34.730	15.021	21.442	1.00	0.02
ATOM	1880	CG	LEU	A	212	34.509	14.291	22.166	1.00	0.03
ATOM	1881	CD1	LEU	A	212	35.848	12.973	22.399	1.00	0.02
ATOM	1882	CD2	LEU	A	212	33.589	12.284	21.357	1.00	0.02
ATOM	1883	С	LEU	A	212	33.764	12.070	20.184	1.00	0.02
ATOM	1884	0	LEU	A	212	34.391	16.166	20.586	1.00	0.02
ATOM	1885	N	ASP	A	213	33.348	17.152	18.937	1.00	0.02
ATOM	1887	CA	ASP	A	213	33.725	16.028	17.915	1.00	0.02
ATOM	1888	СВ	ASP	A	213	33.025	17.009	16.602	1.00	0.02
ATOM	1889	CG	ASP	A	213	31.513	16.663	16.720	1.00	0.02
ATOM	1890	OD1	ASP	A	213	31.146	16.871	17.446	1.00	0.02
ATOM	1891	OD2	ASP	A	213	30.814	17.786	15.873	1.00	0.01
ATOM	1892	С	ASP	A	213	35.243	16.339	17.735	1.00	0.01
ATOM	1893	0	ASP	A	213	35.895	17.007	17.900	1.00	0.02
ATOM	1894	N	LEU	A	214	35.801	15.971	17.333	1.00	0.02

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ATOM	1896	CA	LEU	A	214	37.269	18.245	17.212	1.00	0.02
ATOM	1897	CB	LEU	A	214	37.656	19.719	17.218	1.00	0.71
ATOM	1898	CG	LEU	A	214	37.303	20.384	18.545	1.00	1.18
ATOM	1899	CD1	LEU	A	214	37.561	21.886	18.490	1.00	2.00
ATOM	1900	CD2	LEU	A	214	38.070	19.749	19.702	1.00	0.70
ATOM	1901	С	LEU	A	214	37.834	17.570	15.958	1.00	0.02
ATOM	1902	0	LEU	A	214	39.046	17.360	15.853	1.00	0.01
ATOM	1903	N	LEU	A	215	36.952	17.175	15.054	1.00	0.02
ATOM	1905	CA	LEU	A	215	37.337	16.379	13.885	1.00	0.01
ATOM	1906	СВ	LEU	A	215	36.730	17.010	12.636	1.00	0.36
ATOM	1907	CG	LEU	A	215	37.280	18.410	12.386	1.00	0.58
ATOM	1908	CD1	LEU	A	215	36.543	19.089	11.238	1.00	0.90
ATOM	1909	CD2	LEU	A	215	38.782	18.375	12.118	1.00	0.75
ATOM	1910	С	LEU	Α	215	36.851	14.934	14.019	1.00	0.02
АТОМ	1911	0	LEU	A	215	36.600	14.274	13.002	1.00	0.02
ATOM	1912	N	THR	A	216	36.624	14.491	15.248	1.00	0.02
ATOM	1914	CA	THR	A	216	36.066	13.154	15.478	1.00	0.01
ATOM	1915	СВ	THR	A	216	35.668	13.016	16.948	1.00	0.02
ATOM	1916	OG1	THR	A	216	34.418	13.675	17.093	1.00	0.02
ATOM	1917	CG2	THR	A	216	35.435	11.568	17.361	1.00	0.02
ATOM	1918	С	THR	A	216	36.995	12.024	15.054	1.00	0.01
ATOM	1919	0	THR	A	216	38.106	11.858	15.566	1.00	0.02
ATOM	1920	N	ALA	A	217	36.546	11.310	14.035	1.00	0.02
ATOM	1922	CA	ALA	A	217	37.233	10.105	13.595	1.00	0.01
ATOM	1923	СВ	ALA	Α	217	37.410	10.187	12.085	1.00	0.41
ATOM	1924	С	ALA	A	217	36.467	-8.837	13.977	1.00	0.02
ATOM	1925	0	ALA	A	217	37.029	-7.735	13.887	1.00	0.02
ATOM	1926	N	MET	Α	218	35.230	-8.988	14.433	1.00	0.02
ATOM	1928	CA	MET	Α	218	34.427	-7.813	14.799	1.00	0.02
ATOM	1929	CB	MET	Α	218	33.769	-7.272	13.532	1.00	0.89
ATOM	1930	CG	MET	Α	218	32.877	-6.070	13.823	1.00	1.03
ATOM	1931	SD	MET	A	218	33.726	-4.594	14.425	1.00	1.41
ATOM	1932	CE	MET	A	218	34.664	-4.210	12.930	1.00	1.60

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ATOM	1933	C	MET	A	218	33.340	-8.122	15.832	1.00	0.01
ATOM	1934	0	MET	A	218	32.415	-8.910	15.578	1.00	0.01
ATOM	1935	N	VAL	A	219	33.482	-7.517	16.999	1.00	0.02
ATOM	1937	CA	VAL	A	219	32.422	-7.542	18.017	1.00	0.02
ATOM	1938	CB	VAL	A	219	33.068	-7.764	19.381	1.00	0.06
ATOM	1939	CG1	VAL	A	219	32.055	-7.782	20.521	1.00	0.12
ATOM	1940	CG2	VAL	A	219	33.866	-9.056	19.379	1.00	0.07
ATOM	1941	C	VAL	A	219	31.650	-6.220	17.995	1.00	0.01
ATOM	1942	0	VAL	Α	219	32.250	-5.139	17.968	1.00	0.02
ATOM	1943	N	LEU	A	220	30.333	-6.315	18.009	1.00	0.01
ATOM	1945	CA	LEU	A	220	29.482	-5.123	17.957	1.00	0.01
ATOM	1946	CB	LEU	Α	220	28.642	-5.205	16.680	1.00	0.01
ATOM	1947	CG	LEU	A	220	28.089	-3.862	16.191	1.00	0.01
ATOM	1948	CD1	LEU	A	220	27.668	-3.953	14.729	1.00	0.01
ATOM	1949	CD2	LEU	A	220	26.946	-3.313	17.041	1.00	0.01
ATOM	1950	C	LEU	A	220	28.594	-5.077	19.200	1.00	0.01
ATOM	1951	0	LEU	A	220	27.497	-5.650	19.218	1.00	0.01
ATOM	1952	N	VAL	Α	221	29.073	-4.388	20.221	1.00	0.01
ATOM	1954	CA	VAL	A	221	28.305	-4.223	21.462	1.00	0.01
ATOM	1955	CB	VAL	A	221	29.305	-4.000	22.595	1.00	0.02
ATOM	1956	CG1	VAL	A	221	28.634	-3.684	23.928	1.00	0.01
ATOM	1957	CG2	VAL	A	221	30.216	-5.211	22.736	1.00	0.02
ATOM	1958	C	VAL	Α	221	27.345	-3.041	21.336	1.00	0.01
ATOM	1959	0	VAL	A	221	27.729	-1.976	20.839	1.00	0.02
ATOM	1960	N	ASN	A	222	26.090	-3.262	21.689	1.00	0.01
ATOM	1962	CA	ASN	Α	222	25.084	-2.195	21.631	1.00	0.01
ATOM	1963	CB	ASN	Α	222	24.364	-2.314	20.295	1.00	0.01
ATOM	1964	CG	ASN	A	222	23.343	-1.197	20.131	1.00	0.01
ATOM	1965	OD1	ASN	Α	222	22.132	-1.435	20.262	1.00	0.01
ATOM	1966	ND2	ASN	A	222	23.834	0.015	19.928	1.00	0.01
ATOM	1969	C	ASN	Α	222	24.095	-2.302	22.795	1.00	0.01
ATOM	1970	0	ASN	A	222	22.975	-2.808	22.661	1.00	0.02
ATOM	1971	N	HIS	A	223	24.526	-1.833	23.950	1.00	0.01
ATOM	1973	CA	HIS	Α	223	23.697	-1.944	25.158	1.00	0.02
ATOM	1974	CB	HIS	Α	223	24.551	-2.496	26.298	1.00	0.87
ATOM	1975	CG	H1S	A	223	24.966	-3.960	26.176	1.00	1.28
ATOM	1976	ND1	HIS	A	223	25.150	-4.803	27.206	1.00	1.65
ATOM	1978	CE1	HIS	A	223	25.513	-6.015	26.741	1.00	2.67
ATOM	1979	NE2	HIS	Α	223	25.558	-5.941	25.393	1.00	3.07
ATOM	1980	CD2	HIS	A	223	25.223	-4.684	25.032	1.00	2.44
ATOM	1981	C	HIS	Α	223	23.079	-0.594	25.527	1.00	0.01
ATOM	1982	0	HIS	A	223	23.507	0.440	24.998	1.00	0.01
ATOM	1983	N	ILE	A	224	22.034	-0.619	26.344	1.00	0.01
ATOM	1985	CA	1LE	A	224	21.324	0.625	26.704	1.00	0.02
ATOM	1986	CB	ILE	Α	224	20.522	1.038	25.466	1.00	0.01
ATOM	1987	CG2	ILE	A	224	19.655	-0.104	24.944	1.00	0.01
ATOM	1988	CG1	1LE	A	224	19.686	2.287	25.693	1.00	0.01
ATOM	1989	CD1	ILE	A	224	18.973	2.688	24.405	1.00	0.00
ATOM ATOM	1990	C	1LE	A	224	20.434	0.501	27.963	1.00	0.01
	1991	0	ILE	A	224	19.450	-0.251	27.990	1.00	0.02
ATOM	1992	N	PHE	A	225	20.793	1.254	28.996	1.00	0.02
ATOM ATOM	1994 1995	CA	PHE	A	225	20.052	1.255	30.279	1.00	0.01
ATOM	1995	CB CG	PHE	A	225	21.077	1.048	31.398	1.00	0.01
ATOM	1996	CD1	PHE	A	225	20.524	1.137	32.821	1.00	0.02
ATOM	1998	CE1	PHE	A	225	19.720	0.121	33.320	1.00	0.00
ATOM	1998	CZ	PHE	A	225	19.207	0.206	34.608	1.00	0.01
ATOM	2000	CE2	PHE	A	225	19.500	1.309	35.400	1.00	0.01
711 O.W	2000	CLIZ	IRE	A	225	20.306	2.324	34.903	1.00	0.02

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ATOM	2001	CD2	PHE	A	225	20.817	2.238	33.615	1.00	0.01
ATOM	2002	C	PHE	A	225	19.257	2.550	30.534	1.00	0.02
ATOM	2003	0	PHE	A	225	19.752	3.660	30.299	1.00	0.02
ATOM	2004	N	PHE	A	226	18.034	2.401	31.023	1.00	0.01
ATOM	2006	CA	PHE	A	226	17.212	3.560	31.412	1.00	0.01
ATOM	2007	CB	PHE	A	226	16.186	3.802	30.308	1.00	0.01
ATOM	2008	CG	PHE	A	226	15.325	5.054	30.479	1.00	0.01
ATOM	2009	CD1	PHE	A	226	15.909	6.259	30.851	1.00	0.01
ATOM	2010	CE1	PHE	A	226	15.124	7.394	31.007	1.00	0.01
ATOM	2011	CZ	PHE	A	226	13.756	7.327	30.783	1.00	0.01
ATOM	2012	CE2	PHE	A	226	13.174	6.126	30.399	1.00	0.01
ATOM	2013	CD2	PHE	A	226	13.959	4.992	30.243	1.00	0.01
ATOM	2014	C	PHE	A	226	16,482	3.348	32.748	1.00	0.02
ATOM	2015	0	PHE	A	226	15.952	2.263	33.022	1.00	0.02
ATOM	2016	N	LYS	A	227	16.510	4.367	33.594	1.00	0.01
ATOM	2018	CA	LYS	A	227	15.692	4.371	34.819	1.00	0.01
ATOM	2019	CB	LYS	A	227	16.587	4.677	36.016	1.00	0.01
ATOM	2020	CG	LYS	A	227	15.844	4.470	37.332	1.00	0.02
ATOM	2021	CD	LYS	A	227	16.766	4.616	38.535	1.00	0.02
ATOM	2022	CE	LYS	A	227	16.032	4.290	39.831	1.00	0.00
ATOM	2023	NZ	LYS	A	227	16.933	4.396	40.990	1.00	0.02
ATOM	2024	C	LYS	A	227	14.570	5.412	34.690	1.00	0.01
ATOM	2025	0	LYS	A	227	14.826	6.574	34.352	1.00	0.00
ATOM	2026	N	ALA	A	228	13.343	4.984	34.942	1.00	0.00
ATOM	2028	CA	ALA	A	228	12.164	5.833	34.703	1.00	0.02
ATOM	2029	CB	ALA	A	228	10.949	4.915	34.631	1.00	2.74
ATOM	2030	C	ALA	A	228	11.903	6.930	35.745	1.00	0.02
ATOM	2031	Ō	ALA	A	228	11.520	6.656	36.890	1.00	0.02
ATOM	2032	N	LYS	A	229	12.091	8.173	35.323	1.00	0.01
ATOM	2034	CA	LYS	A	229	11.680	9.329	36.140	1.00	0.02
ATOM	2035	СВ	LYS	A	229	12.712	10.446	36.047	1.00	0.01
ATOM	2036	CG	LYS	A	229	14.112	10.023	36.464	1.00	0.02
ATOM	2037	CD	LYS	A	229	15.020	11.247	36.501	1.00	0.01
ATOM	2038	CE	LYS	A	229	14.956	12.014	35.184	1.00	0.02
ATOM	2039	NZ	LYS	A	229	15.754	13.250	35.241	1.00	0.02
ATOM	2040	С	LYS	A	229	10.359	9.894	35.625	1.00	0.02
ATOM	2041	0	LYS	A	229	10.340	10.602	34.614	1.00	0.01
ATOM	2042	N	TRP	A	230	9.288	9.641	36.355	1.00	0.01
ATOM	2044	CA	TRP	A	230	7.947	10.079	35.942	1.00	0.00
ATOM	2045	CB	TRP	A	230	6.928	9.244	36.711	1.00	0.01
ATOM	2046	CG	TRP	A	230	7.132	7.747	36.623	1.00	0.02
ATOM	2047	CD1	TRP	A	230	7.766	6.944	37.544	1.00	0.02
ATOM	2048	NE1	TRP	A	230	7.738	5.666	37.093	1.00	0.02
ATOM	2050	CE2	TRP	A	230	7.105	5.583	35.910	1.00	0.02
ATOM	2051	CZ2	TRP	A	230	6.833	4.520	35.061	1.00	0.02
ATOM	2052	CH2	TRP	A	230	6.138	4.745	33.880	1.00	0.02
ATOM	2053	CZ3	TRP	A	230	5.714	6.027	33.543	1.00	0.02
ATOM	2054	CE3	TRP	A	230	5.985	7.098	34.386	1.00	0.01
ATOM	2055	CD2	TRP	A	230	6.681	6.878	35.563	1.00	0.01
ATOM	2056	C	TRP	A	230	7.682	11.542	36.280	1.00	0.01
ATOM	2057	0	TRP	A	230	8.238	12.071	37.246	1.00	0.02
ATOM	2058	N	GLU	A	231	6.838	12.187	35.486	1.00	0.02
ATOM	2060	CA	GLU	A	231	6.317	13.505	35.880	1.00	0.02
ATOM	2061	CB	GLU	A	231	5,940	14.317	34.648	1.00	0.02
ATOM	2062	CG	GLU	A	231	7.167	14.820	33.909	1.00	0.01
ATOM	2063	CD	GLU	A	231	6.748	15.520	32.625	1.00	0.02
ATOM	2064	OEI	GLU	A	231	5.717	15.135	32.025	1.00	0.01
ATOM	2065	OE2	GLU	A	231	7.483	16.398	32.189	1.00	0.02
						71100	-0.570	52.107	2.00	3.01

ATOM	2066	C	GLU	A	231	5.075	13.325	36.743	1.00	0.01
ATOM	2067	0	GLU	A	231	4.708	14.204	37.531	1.00	0.02
ATOM	2068	N	LYS	A	232	4.469	12.157	36.611	1.00	0.01
ATOM	2070	CA	LYS	A	232	3.346	11.766	37.468	1.00	0.00
ATOM	2071	CB	LYS	A	232	2.213	11.333	36.545	1.00	0.65
ATOM	2072	CG	LYS	A	232	I.961	12.369	35.451	1.00	1.25
ATOM	2073	CD	LYS	A	232	0.943	11.872	34.432	1.00	1.89
ATOM	2074	CE	LYS	Α	232	0.755	12.859	33.286	1.00	2.53
ATOM	2075	NZ	LYS	A	232	-0.202	12.335	32.300	1.00	3.06
ATOM	2076	C	LYS	A	232	3.774	10.593	38.356	1.00	0.02
ATOM	2077	0	LYS	A	232	3.609	9.431	37.968	1.00	0.02
ATOM	2078	N	PRO	A	233	4.328	10.898	39.522	1.00	0.01
ATOM	2079	CA	PRO	A	233	5.023	9.884	40.325	1.00	0.02
ATOM	2080	CB	PRO	A	233	5.778	10.650	41.368	1.00	0.02
ATOM	2081	CG	PRO	A	233	5.390	12.117	41.289	1.00	0.02
ATOM	2082	CD	PRO	A	233	4.451	12.240	40.101	1.00	0.01
ATOM	2083	C	PRO	A	233	4.059	8.901	40.978	1.00	0.02
ATOM	2084	0	PRO	Α	233	2.893	9.225	41.240	1.00	0.02
ATOM	2085	N	PHE	Α	234	4.542	7.694	41.205	1.00	0.01
ATOM	2087	CA	PHE	A	234	3.728	6.687	41.895	1.00	0.02
ATOM	2088	CB	PHE	Α	234	3.968	5.325	41.258	1.00	0.02
ATOM	2089	CG	PHE	A	234	3.429	5.190	39.837	1.00	0.00
ATOM	2090	CD1	PHE	A	234	2.096	4.850	39.647	1.00	0.01
ATOM	2091	CE1	PHE	Α	234	1.587	4.724	38.363	1.00	0.00
ATOM	2092	CZ	PHE	A	234	2.411	4.934	37.266	1.00	0.01
ATOM	2093	CE2	PHE	A	234	3.746	5.268	37.454	1.00	0.01
ATOM	2094	CD2	PHE	A	234	4.256	5.393	38.739	1.00	0.02
ATOM	2095	С	PHE	A	234	4.066	6.647	43.381	1.00	0.00
ATOM	2096	0	PHE	A	234	5.224	6.848	43.770	1.00	0.01
ATOM	2097	N	HIS	A	235	3.063	6.405	44.207	1.00	0.02
ATOM	2099	CA	HIS	A	235	3.314	6.361	45.648	1.00	0.02
ATOM	2100	CB	HIS	A	235	2.013	6.519	46.415	1.00	1.04
ATOM	2101	CG	HIS	A	235	1.497	7.939	46.502	1.00	1.51
ATOM	2102	ND1	HIS	A	235	1.991	8.923	47.275	1.00	1.88
ATOM	2104	CEI NE2	HIS	A	235	1.267	10.045	47.085	1.00	2.58
ATOM	2106	CD2	HIS	A	235	0.298	9.759	46.186	1.00	2.75
ATOM	2107	CD2	HIS	A	235	0.426 3.982	8.463 5.068	45.820	1.00	2.28
ATOM	2108	0	HIS	A	235	3.392	3.983	46.083	1.00	0.00
ATOM	2109	N	LEU	A	236	5.091	5.250	46.781	1.00	
ATOM	2111	CA	LEU	A	236	5.863	4.124	47.320	1.00	0.02
ATOM	2112	CB	LEU	A	236	7.182	4.676	47.855	1.00	0.02
ATOM	2113	CG	LEU	A	236	8.000	3.629	48.609	1.00	1.21
ATOM	2114	CD1	LEU	A	236	8.409	2.469	47.707	1.00	1.76
ATOM	2115	CD2	LEU	A	236	9.232	4.263	49.244	1.00	2.24
ATOM	2116	C	LEU	A	236	5.112	3.425	48.449	1.00	0.03
ATOM	2117	0	LEU	A	236	4.952	2.202	48.397	1.00	0.00
ATOM	2118	N	GLU	A	237	4.351	4.205	49.203	1.00	0.02
ATOM	2120	CA	GLU	A	237	3.569	3.650	50.314	1.00	0.02
ATOM	2121	CB	GLU	A	237	3.304	4.726	51.378	1.00	0.45
ATOM	2122	CG	GLU	A	237	2.108	5.650	51.104	1.00	1.07
ATOM	2123	CD	GLU	A	237	2.452	6.916	50,324	1.00	1.99
ATOM	2124	OE1	GLU	A	237	3.332	6.858	49.468	1.00	2.71
ATOM	2125	OE2	GLU	A	237	1.787	7.917	50.546	1.00	2.42
ATOM	2126	С	GLU	A	237	2.244	3.028	49.856	1.00	0.02
ATOM	2127	0	GLU	A	237	1.503	2.497	50.688	1.00	0.02
ATOM	2128	N	TYR	Α	238	1.938	3.109	48.569	1.00	0.00
ATOM	2130	CA	TYR	Α	238	0.737	2.466	48.039	1.00	0.02

ATOM	2131	CB	TYR	A	238	-0.174	3.500	47.384	1.00	0.46
ATOM	2132	CG	TYR	A	238	-0.787	4.495	48.369	1.00	0.77
ATOM	2133	CD1	TYR	A	238	-0.917	5.831	48.014	1.00	1.12
ATOM	2134	CE1	TYR	A	238	-1.456	6.742	48.912	1.00	1.60
ATOM	2135	CZ	TYR	A	238	-1.873	6.310	50.164	1.00	1.80
ATOM	2136	OH	TYR	A	238	-2.344	7.224	51.080	1.00	2.33
ATOM	2137	CE2	TYR	Ā	238	-1.765	4.971	50.517	1.00	1.57
ATOM	2138	CD2	TYR	A	238	-1.225	4.062	49.616	1.00	1.05
ATOM	2139	C	TYR	A	238	1.119	1.366	47.054	1.00	0.00
ATOM	2140	0	TYR	A	238	0.241	0.775	46.413	1.00	0.02
ATOM	2141	N	THR	A	239	2.411	1.101	46.939	1.00	0.02
ATOM	2143	CA	THR	A	239	2.892	0.016	46.077	1.00	0.00
ATOM	2144	CB	THR	A	239	4.306	0.340	45.605	1.00	0.00
ATOM	2145	OG1	THR	A	239	4.256	1.575	44.907	1.00	0.02
ATOM	2146	CG2	THR	A	239	4.853	-0.712	44.644	1.00	0.02
ATOM	2147	C	THR	A	239	2.869	-1.310	46.835	1.00	0.02
ATOM	2148	0	THR	A	239	3.879	-1.773	47.378	1.00	0.02
ATOM	2149	N	ARG	A	240	1.701	-1.926	46.830	1.00	0.02
ATOM	2151	CA	ARG	A	240	1.484	-3.175	47.567	1.00	0.02
ATOM	2152	CB	ARG	A	240	0.013	-3.242	47.963	1.00	0.53
ATOM	2153	CG	ARG	A	240	-0.451	-1.955	48.637	1.00	0.55
ATOM	2154	CD	ARG	A	240	0.259	-1.704	49.964	1.00	1.22
ATOM	2155	NE	ARG	A	240	-0.136	-0.396	50.506	1.00	1.14
ATOM	2156	CZ	ARG	A	240	-0.130	-0.252	51.611	1.00	1.14
ATOM	2157	NH1	ARG	A	240	-1.252	-1.327	52.305	1.00	1.79
ATOM	2158	NH2	ARG	A	240	-1.204	0.969	52.035	1.00	1.15
ATOM	2159	C	ARG	A	240	1.806	-4.367	46.681	1.00	0.00
ATOM	2160	0	ARG	A	240	2.199	-4.194	45.524	1.00	0.00
ATOM	2161	N	LYS	A	241	1.732	-5.561	47.238	1.00	0.00
ATOM	2163	CA	LYS	A	241	1.793	-6.760	46.396	1.00	0.02
ATOM	2164	CB	LYS	A	241	2.509	-7.886	47.126	1.00	0.02
ATOM	2165	CG	LYS	A	241	3.960	-7.513	47.403	1.00	0.53
ATOM	2166	CD	LYS	A	241	4.703	-8.662	48.071	1.00	0.54
ATOM	2167	CE	LYS	A	241	4.032	-9.067	49.378	1.00	1.44
ATOM	2168	NZ	LYS	A	241	4.749	-	50.010	1.00	1.70
		1		1			10.187	30.010	1.00	1.70
ATOM	2169	C	LYS	Α	241	0.367	-7.161	46.039	1.00	0.02
ATOM	2170	0	LYS	Α	241	-0.196	-8.108	46.602	1.00	0.02
ATOM	2171	N	ASN	Α	242	-0.136	-6.506	45.008	1.00	0.02
ATOM	2173	CA	ASN	Α	242	-1.561	-6.535	44.658	1.00	0.02
ATOM	2174	CB	ASN	A	242	-1.762	-5.487	43.562	1.00	1.70
ATOM	2175	CG	ASN	A	242	-3.225	-5.103	43.344	1.00	2.00
ATOM	2176	OD1	ASN	A	242	-3.967	-4.883	44.308	1.00	2.32
ATOM	2177	ND2	ASN	A	242	-3.654	-5.174	42.095	1.00	2.72
ATOM	2180	C	ASN	Α	242	-2.005	-7.912	44.173	1.00	0.01
ATOM	2181	0	ASN	Α	242	-1.179	-8.820	43.981	1.00	0.01
ATOM	2182	N	PHE	A	243	-3.317	-8.093	44.170	1.00	1.09
ATOM	2184	CA	PHE	Α	243	-3.948	-9.270	43.575	1.00	1.45
ATOM	2185	CB	PHE	A	243 .	-5.448	-9.023	43.445	1.00	1.44
ATOM	2186	CG	PHE	Α	243	-6.191	-9.068	44.777	1.00	2.03
ATOM	2187	CD1	PHE	Α	243	-6.608	-7.895	45.395	1.00	2.31
ATOM	2188	CE1	PHE	Α	243	-7.282	-7.952	46.608	1.00	3.15
ATOM	2189	CZ	PHE	A	243	-7.543	-9.181	47.201	1.00	3.65
ATOM	2190	CE2	PHE	Α	243	-7.132	-	46.581	1.00	3.50
							10.353			
ATOM	2191	CD2	PHE	A	243	-6.457	-	45.368	1.00	2.79
							10.296			
ATOM	2192	C	PHE	A	243	-3.329	-9.557	42.216	1.00	0.50

ATOM	2193	0	PHE	A	243	-3.162	-8.676	41.360	1.00	1.04
ATOM	2194	N	PRO	A	244	-2.972	-	42.071	1.00	0.02
							10.818		1100	0.02
ATOM	2195	CA	PRO ·	A	244	-1.824	-	41.251	1.00	0.02
	1			1		1.02	11.208	11.231	1.00	0.02
ATOM	2196	CB	PRO	A	244	-1.664	11.200	41.499	1.00	2.44
1110	2170	0.0	TRO	11	2-1-1	-1.004		41.499	1.00	2.44
ATOM	2197	CG	PRO	A	244	-2.608	12.670	42.507	1.00	2.10
ATOM	2197	CG	IKU	A	244	-2.008	- 120	42.597	1.00	2.19
177016	2100	on					13.120			
ATOM	2198	CD	PRO	A	244	-3.365	-	43.005	1.00	1.42
							11.877			
ATOM	2199	C	PRO	A	244	-1.952	-	39.761	1.00	0.02
							10.906			
ATOM	2200	0	PRO	A	244	-3.037	-	39.229	1.00	0.02
							10.632			1
ATOM	2201	N	PHE	A	245	-0.795	-	39.123	1.00	0.02
1							10.898			0.02
ATOM	2203	CA	PHE	A	245	-0.678	-	37.682	1.00	0.02
			1	1	2.5	-0.070	10.695	37.002	1.00	0.02
ATOM	2204	CB	PHE	A	245	0.806	10.023	37.372	1.00	0.02
1110111	2204	CB	TILL	ΙΛ.	243	0.800	10 497	37.372	1.00	0.02
ATOM	2205	CG	DITE	+-	245	1 122	10.487	25012	4.00	
			PHE	A	245	1.133	-9.809	36.043	1.00	0.01
ATOM	2206	CD1	PHE	A	245	1.229		34.874	1.00	0.02
1,000				-			10.552			
ATOM	2207	CE1	PHE	A	245	1.524	-9.922	33.672	1.00	0.01
ATOM	2208	CZ	PHE	A	245	1.728	-8.549	33.638	1.00	0.02
ATOM	2209	CE2	PHE	A	245	1.637	-7.806	34.807	1.00	0.01
ATOM	2210	CD2	PHE	A	245	1.342	-8.436	36.009	1.00	0.01
ATOM	2211	C	PHE	A	245	-1.194	-	36.960	1.00	0.02
				ľ			11.935			
ATOM	2212	0	PHE	A	245	-0.890	-	37.344	1.00	0.00
							13.073		1100	
ATOM	2213	N	LEU	A	246	-1.993		35,938	1.00	0.01
				1		1.555	11.701	33.330	1.00	0.01
ATOM	2215	CA	LEU	A	246	-2.559	11.701	35,137	1.00	0.02
		0.1	LLC	1	240	-2.557	12.782	33.137	1.00	0.02
ATOM	2216	CB	LEU	A	246	-3.901	12.762	34.565	1.00	0.60
111011	2210	CD	LLC	^	240	-5.901	12 220	34.303	1.00	0.69
ATOM	2217	CG	LEU	+-	246	1.070	12.339			
ATOM	2217	CG	LEU	A	246	-4.970		35.646	1.00	1.13
ATOM	2210	ODI	TEXT	+	246		12.241			
ATOM	2218	CD1	LEU	A	246	-6.254	-	35.093	1.00	1.59
							11.634			
ATOM	2219	CD2	LEU	A	246	-5.247	-	36.252	1.00	1.37
							13.611			
ATOM	2220	C	LEU	Α	246	-1.623	-	33.996	1.00	0.02
							13.147			
ATOM	2221	0	LEU	A	246	-1.581	-	32.953	1.00	0.01
							12.479			
ATOM	2222	N	VAL	A	247	-0.891	-	34.206	1.00	0.01
1			i		1		14.228			
ATOM	2224	CA	VAL	A	247	-0.023	-	33.151	1.00	0.02
			1	1	1		14.756	201101	1.00	3.02
ATOM	2225	СВ	VAL	A	247	1.315		33.749	1.00	0.02
1			1	1	1	1.515	15.191	55.179	1.00	0.02
ATOM	2226	CG1	VAL	A	247	1.981	13.171	34.430	1.00	0.01
		1001	, AL	1	247	1.701	14.005	34.430	1.00	0.01
ATOM	2227	CG2	VAL	A	247	1.180	14.005	24.742	1.00	0.01
.11011	2221	CUZ	VAL	A	247	1.160	16 227	34.742	1.00	0.01
ATOM	2228	С	MAT	1	247	0.763	16.337	22.465	1.00	0.04
ATOM	4448		VAL	A	247	-0.762	-	32.457	1.00	0.01

				_						
ATOM	2229	0	VAL	A	247	-0.391	15.897	21 274	1.00	0.00
				A	247	-0.391	16.365	31.374	1.00	0.00
ATOM	2230	N	GLY	A	248	-1.841	16.299	33.106	1.00	0.01
ATOM	2232	CA	GLY	A	248	-2.850	17.181	32.524	1.00	0.02
ATOM	2233	С	GLY	A	248	-4.164	16.776	33.173	1.00	0.01
ATOM	2234	0	GLY	A	248	-4.136	16.141	34.233	1.00	0.02
ATOM	2235	N	GLU	A	249	-5.279	17.290	32.682	1.00	0.02
ATOM	2237	CA	GLU	A	249	-6.581	-	33.231	1.00	0.02
ATOM	2238	СВ	GLU	A	249	-7.684	16.870	32.272	1.00	0.71
ATOM	2239	CG	GLU	A	249	-7.580	17.300	30.942	1.00	1.41
ATOM	2240	CD	GLU	A	249	-8.624	16.561	29.972	1.00	1.73
ATOM	2241	OE1	GLU	A	249	-9.040	17.099	29.104	1.00	2.08
ATOM	2242	OE2	GLU	A	249	-8.886	16.345	30.041	1.00	2.14
ATOM	2243	С	GLU	A	249	-6.854	18.292	34.619	1.00	0.02
ATOM	2244	0	GLU	A	249	-7.601	17.455	35.408	1.00	0.02
ATOM	2245	N	GLN	A	250	-6.197	16.869	34.932	1.00	0.01
ATOM	2247	CA	GLN	A	250	-6.243	18.560	36.285	1.00	0.02
ATOM	2248	СВ	GLN	A	250	-6.843	19.117	36.228	1.00	0.06
ATOM	2249	CG	GLN	A	250	-8.295	20.516	35.763	1.00	0.43
ATOM	2250	CD	GLN	A	250	-8.850	20.469	25 620	1.00	
						-0.000	21.881	35.628	1.00	0.27
ATOM	2251	OE1	GLN	A	250	10.050	22.080	35.409	1.00	0.98
ATOM	2252	NE2	GLN	A	250	-7.959	22.849	35.739	1.00	1.30
ATOM	2255	С	GLN	A	250	-4.843	19.169	36.893	1.00	0.01
ATOM	2256	0	GLN	A	250	-4.630	19.809	37.928	1.00	0.01
ATOM	2257	N	VAL	A	251	-3.893	18.537	36.222	1.00	0.01
ATOM	2259	CA	VAL	A	251	-2.492	18.612	36.650	1.00	0.00
ATOM	2260	СВ	VAL	A	251	-1.642	-	35.509	1.00	0.50
ATOM	2261	CG1	VAL	A	251	-0.215	19.165	35.978	1.00	0.57
ATOM	2262	CG2	VAL	A	251	-2.244	19.426	34.946	1.00	0.85
ATOM	2263	С	VAL	A	251	-2.006	20.448 - 17.224	37.055	1.00	0.01

ATOM	2264	0	VAL	A	251	-1.695	16.371	36.209	1.00	0.01
ATOM	2265	N	THR	A	252	-1.927	17.035	38.360	1.00	0.02
ATOM	2267	CA	THR	A	252	-1.641	15.716	38.930	1.00	0.01
ATOM	2268	CB	THR	A	252	-2.806	15.364	39.849	1.00	0.02
ATOM	2269	OG1	THR	A	252	-2.848	16.297	40.921	1.00	0.01
ATOM	2270	CG2	THR	A	252	-4.150	15.403	39.133	1.00	0.01
ATOM	2271	С	THR	A	252	-0.323	15.655	39.714	1.00	0.02
ATOM	2272	0	THR	A	252	-0.042	16.495	40.577	1.00	0.01
ATOM	2273	N	VAL	A	253	0.467	14.638	39.408	1.00	0.02
ATOM	2275	CA	VAL	A	253	1.739	14.387	40.116	1.00	0.00
ATOM	2276	CB	VAL	A	253	2.866	- 14.411	39.084	1.00	0.01
ATOM	2277	CG1	VAL	A	253	4.217	14.060	39.701	1.00	0.03
ATOM	2278	CG2	VAL	Α	253	2.941	15.761	38.378	1.00	0.02
ATOM	2279	С	VAL	Α	253	1.714	13.024	40.816	1.00	0.01
ATOM	2280	0	VAL	A	253	1.586	11.997	40.144	1.00	0.02
ATOM	2281	N	GLN	A	254	1.809	12.998	42.138	1.00	0.03
ATOM	2283	CA	GLN	A	254	1.732	11.706	42.847	1.00	0.02
ATOM	2284	СВ	GLN	A	254	1.677	- 11.901	44.354	1.00	0.41
ATOM	2285	CG	GLN	A	254	0.309	12.401	44.789	1.00	0.84
ATOM	2286	CD	GLN	A	254	0.199	12.319	46.305	1.00	0.68
ATOM	2287	OE1	GLN	A	254	0.343	13.328	47.005	1.00	0.68
ATOM	2288	NE2	GLN	A	254	-0.051	- 11.115	46.791	1.00	1.21
ATOM	2291	С	GLN	Α	254	2.892	- 10.780	42.504	1.00	0.02
ATOM	2292	0	GLN	A	254	4.053	- 11.191	42.424	1.00	0.03
ATOM	2293	N	VAL	A	255	2.537	-9.531	42.253	1.00	0.02
ATOM	2295	CA	VAL	Α	255	3.523	-8.525	41.852	1.00	0.02
ATOM	2296	CB	VAL	A	255	3.330	-8.225	40.364		
ATOM	2297	CG1							1.00	0.02
			VAL	A	255	3.834	-9.361	39.482	1.00	0.02
ATOM	2298	CG2	VAL	A	255	1.877	-7.899	40.047	1.00	0.00
ATOM	2299	C	VAL	A	255	3.387	-7.241	42.668	1.00	0.02
ATOM	2300	0	VAL	A	255	2.295	-6.890	43.135	1.00	0.02
ATOM	2301	N	PRO	A	256	4.516	-6.581	42.876	1.00	0.02
ATOM	2302	CA	PRO	A	256	4.504	-5.197	43.353	1.00	0.02
ATOM	2303	CB	PRO	A	256	5.943	-4.796	43.459	1.00	0.02
ATOM	2304	CG	PRO	A	256	6.815	-5.925	42.928	1.00	
			1.10	L/3	250	0.010	-3.743	74.946	1.00	0.00

ATOM 2306 C PRO A 256 5.862 7.035 42.515 1.00 0.02 ATOM 2306 C PRO A 256 3.748 4.321 42.364 1.00 0.01 ATOM 2307 O PRO A 256 3.983 4.4375 41.151 1.00 0.01 ATOM 2310 CA MET A 257 1.925 2.748 42.055 1.00 0.02 ATOM 2310 CA MET A 257 1.925 2.748 42.055 1.00 0.02 ATOM 2311 CB MET A 257 1.925 2.748 42.055 1.00 0.02 ATOM 2312 CG MET A 257 0.534 3.335 42.232 1.00 0.01 ATOM 2313 SD MET A 257 0.238 3.681 39.550 1.00 0.02 ATOM 2314 CE MET A 257 0.635 5.384 39.996 1.00 0.02 ATOM 2315 C MET A 257 1.902 1.1296 42.515 1.00 0.02 ATOM 2316 O MET A 257 1.902 1.1296 42.515 1.00 0.00 ATOM 2317 N MET A 258 2.382 0.413 41.659 1.00 0.02 ATOM 2319 CA MET A 258 3.383 1.00 41.954 1.00 0.02 ATOM 2310 C MET A 258 3.383 1.00 41.954 1.00 0.02 ATOM 2310 C MET A 258 3.383 1.00 49.68 1.00 0.01 ATOM 2320 CB MET A 258 3.323 1.701 40.968 1.00 0.01 ATOM 2321 CG MET A 258 4.699 1.054 40.968 1.00 0.01 ATOM 2322 CB MET A 258 4.983 1.573 38.271 1.00 0.01 ATOM 2323 CB MET A 258 4.983 1.573 38.271 1.00 0.00 ATOM 2323 CB MET A 258 4.983 1.573 38.271 1.00 0.00 ATOM 2324 C MET A 258 4.983 1.573 38.271 1.00 0.00 ATOM 2325 C MET A 258 0.451 1.661 40.674 1.00 0.02 ATOM 2326 C MET A 258 0.451 1.661 40.674 1.00 0.02 ATOM 2327 C MET A 258 0.451 1.661 40.674 1.00 0.02 ATOM 2328 CA HIS A 259 0.397 1.948 42.917 1.00 0.01 ATOM 2329 CB HIS A 259 0.397 44.412 1.00 1.05 ATOM 2330 CB HIS A 259 0.397 44.412 1.00 1.02 ATOM 2331 CD HIS A 259 0.307 4.418 1.00 0.01 ATOM 2331 CD G HIS A 259 0.397 4.418 1.00 0.01 ATOM 2332 CB HIS A 259 0.397 4.418 1.00 0.02 ATOM 2333 CB HIS A 259 0.397 4.418 1.00 0.02 ATOM 2334 C MET A 258 0.451 1.661 40.674 1.00 0.02 ATOM 2335 CD HIS A 259 0.397 1.948 4.2917 1.00 0.01 ATOM 2336 C HIS A 259 0.397 3.98 4.989 1.00 0.01 ATOM 2337 C HIS A 259 0.397 4.418 1.00 1.00 2.20 ATOM 2338 N GLN A 260 0.538 8.996 42.716 1.00 0.22 ATOM 2336 C HIS A 259 0.397 3.98 4.999 1.00 0.01 ATOM 2340 C G GLN A 260 0.538 8.996 42.716 1.00 0.27 ATOM 2341 C G GLN A 260 0.539 8.999 1.00 0.01 ATOM 2345 C G GLN A 260 0.539 9.999 4.00 4.999 1.00 0.01 ATOM 2346 C G GLN A 260 0.53											
ATOM 2308 N MET A 256 3.983 4.375 41.151 1.00 0.01	ATOM	2305	CD	PRO	A	256	5.862	-7.035	42.515	1.00	0.02
ATOM 2308 N MET A 257 1.925 2.2187 3.551 42.888 1.00 0.01 ATOM 2310 CA MET A 257 1.925 2.2748 42.055 1.00 0.02 ATOM 2311 CB MET A 257 0.534 3.335 42.232 1.00 0.01 ATOM 2312 CG MET A 257 0.534 3.335 42.232 1.00 0.01 ATOM 2313 SD MET A 257 0.635 3.383 41.158 1.00 0.02 ATOM 2313 SD MET A 257 0.238 3.681 39.550 1.00 0.02 ATOM 2314 CE MET A 257 0.238 3.681 39.550 1.00 0.02 ATOM 2315 C MET A 257 1.025 3.384 41.158 1.00 0.02 ATOM 2316 O MET A 257 1.026 3.384 39.996 1.00 0.02 ATOM 2317 N MET A 257 1.417 0.989 43.610 1.00 0.02 ATOM 2319 CA MET A 258 2.382 0.413 41.659 1.00 0.01 ATOM 2310 CB MET A 258 2.382 0.413 41.659 1.00 0.01 ATOM 2310 CB MET A 258 3.323 1.701 40.968 1.00 0.01 ATOM 2320 CB MET A 258 3.323 1.701 40.968 1.00 0.01 ATOM 2321 CG MET A 258 5.891 1.774 39.818 1.00 0.01 ATOM 2322 CB MET A 258 8.891 1.774 39.818 1.00 0.01 ATOM 2323 C MET A 258 8.891 1.774 39.818 1.00 0.01 ATOM 2324 C MET A 258 0.990 1.600 41.788 1.00 0.02 ATOM 2324 C MET A 258 0.990 1.600 41.788 1.00 0.02 ATOM 2325 C MET A 258 0.990 1.600 41.788 1.00 0.02 ATOM 2326 N HIS A 259 0.397 1.948 42.917 1.00 0.01 ATOM 2328 CA HIS A 259 0.397 1.948 42.917 1.00 0.01 ATOM 2329 CB HIS A 259 0.397 1.948 42.917 1.00 0.01 ATOM 2320 CB HIS A 259 0.397 1.948 42.917 1.00 0.01 ATOM 2330 CB HIS A 259 -0.400 2.541 42.928 1.00 0.01 ATOM 2331 NDI HIS A 259 -0.500 2.841 41.02 1.00 0.72 ATOM 2333 CCB HIS A 259 -0.500 2.841 41.02 1.00 0.72 ATOM 2334 NE2 HIS A 259 -0.500 2.841 41.02 1.00 0.78 ATOM 2335 CD HIS A 259 -0.500 2.841 41.02 1.00 0.78 ATOM 2336 C HIS A 259 -0.500 2.802 45.401 1.00 0.02 ATOM 2337 C G HIS A 259 -0.500 2.802 45.401 1.00 0.02 ATOM 2338 N GLN A 260 -1.628 8.069 42.871 1.00 0.01 ATOM 2339 CB HIS A 259 -0.500 2.802 45.401 1.00 0.02 ATOM 2330 CB HIS A 259 -0.500 2.802 45.401 1.00 0.02 ATOM 2331 NDI HIS A 259 -0.500 2.802 45.401 1.00 0.02 ATOM 2330 CB HIS A 259 -0.500 2.802 45.401 1.00 0.02 ATOM 2330 CB HIS A 259 -0.508 40.902 41.764 1.00 0.02 ATOM 2330 CB HIS A 259 -0.500 2.802	ATOM	2306	C	PRO	A	256	3.748	-4.321	42.364	1.00	0.01
ATOM 2308 N MET A 257 2.817 3.551 42.888 1.00 0.02 ATOM 2311 CB MET A 257 1.925 -2.748 42.055 1.00 0.02 ATOM 2312 CG MET A 257 0.534 3.335 42.232 1.00 0.01 ATOM 2313 SD MET A 257 -0.443 2.884 41.158 1.00 0.02 ATOM 2313 SD MET A 257 -0.443 2.884 41.158 1.00 0.02 ATOM 2314 CE MET A 257 -0.635 5.384 39.956 1.00 0.02 ATOM 2315 C MET A 257 1.002 1.206 42.515 1.00 0.00 ATOM 2316 O MET A 257 1.002 1.206 42.515 1.00 0.00 ATOM 2317 N MET A 258 2.382 0.413 41.659 1.00 0.02 ATOM 2319 CA MET A 258 2.382 0.413 41.659 1.00 0.01 ATOM 2310 CB MET A 258 2.388 1.002 41.954 1.00 0.02 ATOM 2320 CB MET A 258 3.323 1.701 40.968 1.00 0.01 ATOM 2321 CG MET A 258 3.323 1.701 40.968 1.00 0.01 ATOM 2322 SD MET A 258 4.983 1.573 38.271 1.00 0.01 ATOM 2323 CE MET A 258 4.983 1.573 38.271 1.00 0.00 ATOM 2324 C MET A 258 0.451 1.661 40.674 1.00 0.02 ATOM 2325 O MET A 258 0.451 1.661 40.674 1.00 0.02 ATOM 2326 N HIS A 259 0.397 1.948 42.917 1.00 0.01 ATOM 2329 CB HIS A 259 0.397 1.948 42.917 1.00 0.01 ATOM 2329 CB HIS A 259 0.397 1.948 42.917 1.00 0.01 ATOM 2330 CG HIS A 259 0.397 1.948 42.917 1.00 0.01 ATOM 2331 NDI HIS A 259 0.397 1.948 42.917 1.00 0.01 ATOM 2333 CG HIS A 259 0.397 1.948 42.917 1.00 0.01 ATOM 2334 C HIS A 259 0.397 1.948 42.917 1.00 0.01 ATOM 2335 CG HIS A 259 0.308 4.371 1.00 0.02 ATOM 2331 NDI HIS A 259 0.375 2.91 45.05 1.00 2.20 ATOM 2333 CG HIS A 259 0.308 4.371 44.10 0.02 ATOM 2331 CG HIS A 259 0.308 4.371 44.10 0.02 ATOM 2331 CG HIS A 259 0.308 4.371 44.10 1.00 1.36 ATOM 2333 CG HIS A 259 0.308 4.373 44.11 1.00 0.13 ATOM 2331 CG HIS A 259 0.307 1.948 42.917 1.00 0.01 ATOM 2333 CG HIS A 259 0.308 4.309 4.309 1.00 2.20 ATOM 2334 C A HIS A 259 0.308 4.309 4.309 1.00 2.20 ATOM 2335 CG HIS A 259 0.308 4.309 4.309 1.00 2.20 ATOM 2336 C HIS A 259 0.308 4.309 4.309 1.00 0.02 ATOM 2337 O HIS A 259 0.308 4.309 4.309 1.00 0.03 ATOM 2340 C GIN A 260 0.359 4.391 4.358 1.00 0.02 ATOM 2350 N HIS A 259 0.308 4.309 4.309 1.00 0.03 ATOM 2340 C G GIN A 260 0.359 4.309 4.309 1.00 0.00 ATOM 2340 C G GIN A 260 0.359 4.309 4.309 1.00 0.00 A	ATOM	2307	0	PRO	A	256	3.983	-4.375	41.151	1.00	0.01
ATOM 2310 CA MET A 257 1.925 2.748 42.055 1.00 0.02	ATOM	2308	N	MET	Α	257	2.817	-3.551	42.888	1.00	0.02
ATOM 2311 CB MET A 257 0.534 3.335 42.232 1.00 0.01	ATOM	2310	CA	MET	A	257	1.925	-2.748	42.055		0.02
ATOM 2312 CG MET A 257 -0.443 -2.884 41.158 1.00 0.02	ATOM	2311	CB	MET	Α	257	0.534	-3.335		1.00	
ATOM 2314 CE MET A 257 -0.238 -3.681 39.950 1.00 0.02	ATOM	2312	CG								
ATOM 2314 CE MET A 257 0.635 5.334 39.996 1.00 0.02	ATOM	2313	SD								
ATOM 2316 C MET A 257 1.902 -1.296 42.515 1.00 0.00 ATOM 2317 N MET A 258 2.382 -0.413 41.659 1.00 0.02 ATOM 2317 N MET A 258 2.382 -0.413 41.659 1.00 0.01 ATOM 2319 CA MET A 258 2.382 1.002 41.954 1.00 0.01 ATOM 2320 CB MET A 258 3.323 1.701 40.968 1.00 0.01 ATOM 2320 CB MET A 258 3.323 1.701 40.968 1.00 0.01 ATOM 2321 CG MET A 258 4.699 1.054 40.968 1.00 0.01 ATOM 2321 CG MET A 258 4.699 1.054 40.968 1.00 0.01 ATOM 2321 CC MET A 258 5.891 1.774 39.818 1.00 0.01 ATOM 2323 CE MET A 258 5.891 1.774 39.818 1.00 0.01 ATOM 2323 CE MET A 258 0.990 1.600 41.788 1.00 0.02 ATOM 2324 C MET A 258 0.990 1.600 41.788 1.00 0.02 ATOM 2325 O MET A 258 0.990 1.600 41.788 1.00 0.02 ATOM 2325 O MET A 258 0.451 1.661 40.674 1.00 0.02 ATOM 2326 CA HIS A 259 -0.940 2.541 42.928 1.00 0.01 ATOM 2329 CB HIS A 259 -1.025 2.053 44.202 1.00 0.78 ATOM 2330 CG HIS A 259 -1.025 2.053 44.202 1.00 0.78 ATOM 2331 NDI HIS A 259 -1.078 2.437 44.412 1.00 1.36 ATOM 2333 CEI HIS A 259 -1.078 2.437 44.412 1.00 1.36 ATOM 2333 CEI HIS A 259 -3.078 2.437 44.412 1.00 1.36 ATOM 2333 CEI HIS A 259 -3.078 2.437 44.412 1.00 1.36 ATOM 2333 NDI HIS A 259 -3.078 2.437 44.412 1.00 1.36 ATOM 2333 NDI HIS A 259 -3.078 2.437 44.412 1.00 1.36 ATOM 2333 CEI HIS A 259 -3.078 2.437 44.412 1.00 1.36 ATOM 2333 NDI HIS A 259 -3.078 2.437 44.412 1.00 1.36 ATOM 2333 NDI HIS A 259 -3.078 2.437 44.412 1.00 1.36 ATOM 2334 NEZ HIS A 259 -3.088 4.069 42.871 1.00 0.02 ATOM 2333 ND GO ATOM 2.331 ND HIS A 259 -3.078 2.437 44.412 1.00 1.36 ATOM 2334 NEZ HIS A 259 -3.088 4.069 42.871 1.00 0.02 ATOM 2334 C G GLN A 260 -0.507 8.802 45.401 1.00 2.78 ATOM 2334 C G GLN A 260 -0.507 8.133 40.82 1.00 1.00 2.78 ATOM 2334 C G GLN A 260 -0.507 8.133 40.82 1.00 0.01 ATOM 2342 C G GLN A 260 -0.507 8.123 40.842 1.00 1.25 ATOM 2343 C D GLN A 260 -0.507 8.123 40.842 1.00 1.25 ATOM 2343 C D GLN A 260 -0.508 4.409 41.932 1.00 0.02 ATOM 2343 C D GLN A 260 -0.508 4.409 41.932 1.00 0.02 ATOM 2343 C D GLN A 260 -0.508 4.409 41.932 1.00 0.02 ATOM 2343 C D GLN A 260 -0.508 4.409 41.931 1.00 0.00 0.00 ATOM	ATOM	2314	CE	MET							
ATOM 2316 O MET A 257 1.417 -0.989 43.610 1.00 0.02	ATOM	2315	С								
ATOM 2319 CA MET A 258 2.382 0.413 41,659 1.00 0.01	ATOM	2316		MET							
ATOM 2319 CA MET A 258 2.388 1.020 41.954 1.00 0.02	ATOM	2317	N								
ATOM 2321 CB MET A 258 3.223 1.701 40.968 1.00 0.01											
ATOM 2321 CG MET A 258 4.699 1.054 40.968 1.00 0.01											
ATOM 2322 SD MET A 258 5.891 1.774 39.818 1.00 0.01											
ATOM 2324 C MET A 258 4.983 1.573 38.271 1.00 0.00 ATOM 2324 C MET A 258 0.990 1.600 41.788 1.00 0.02 ATOM 2325 O MET A 258 0.451 1.661 40.674 1.00 0.02 ATOM 2326 N HIS A 259 0.397 1.948 42.917 1.00 0.01 ATOM 2328 C A HIS A 259 0.397 1.948 42.917 1.00 0.01 ATOM 2328 C A HIS A 259 0.397 1.948 42.928 1.00 0.01 ATOM 2328 C A HIS A 259 1.625 2.053 44.202 1.00 0.01 ATOM 2329 C B HIS A 259 1.625 2.053 44.202 1.00 0.07 ATOM 2330 C HIS A 259 -3.078 2.437 44.412 1.00 1.36 ATOM 2331 NDI HIS A 259 -3.735 2.391 45.585 1.00 2.20 ATOM 2333 CEI HIS A 259 -5.007 2.802 44.089 1.00 2.78 ATOM 2334 NE2 HIS A 259 -5.057 3.981 2.861 43.465 1.00 2.13 ATOM 2336 C HIS A 259 -3.981 2.861 43.465 1.00 2.13 ATOM 2337 O HIS A 259 -3.981 2.861 43.465 1.00 0.02 ATOM 2337 O HIS A 259 -0.052 4.713 43.548 1.00 0.02 ATOM 2338 N GLN A 260 -1.628 4.609 41.932 1.00 0.02 ATOM 2341 CB GLN A 260 -1.628 4.609 41.932 1.00 0.02 ATOM 2341 CB GLN A 260 -0.553 6.614 41.061 1.00 1.24 ATOM 2342 CG GLN A 260 -0.553 6.614 41.061 1.00 1.24 ATOM 2343 CD GLN A 260 -0.533 8.894 42.150 1.00 2.10 ATOM 2344 CB GLN A 260 -0.533 8.894 42.150 1.00 2.10 ATOM 2343 CD GLN A 260 -0.533 6.614 41.061 1.00 1.24 ATOM 2344 CB GLN A 260 -0.533 8.894 42.150 1.00 2.00 ATOM 2344 CB GLN A 260 -0.533 8.894 42.150 1.00 2.00 ATOM 2349 CG GLN A 260 -0.533 8.894 42.150 1.00 2.00 ATOM 2349 CG GLN A 260 -0.533 8.894 42.150 1.00 2.00 ATOM 2345 CG GLN A 260 -0.533 8.894 4.2150 1.00 2.00 ATOM 2345											
ATOM 2324 C MET A 258 0.990 1.600 41.788 1.00 0.02	ATOM										
ATOM 2326 N HIS A 258 0.451 1.661 40.674 1.00 0.02											
ATOM 2328 CA HIS A 259 0.397 1.948 42.917 1.00 0.01	ATOM	2325									
ATOM 2329 CA HIS A 259 -0.940 2.541 42.928 1.00 0.01											
ATOM 2329 CB HIS A 259 -1.625 2.053 44.202 1.00 0.78											
ATOM 2330 CG HIS A 259 3.078 2.437 44.412 1.00 1.36											
ATOM 2331 NDI HIS A 259 -3.735 2.391 45.585 1.00 2.20											
ATOM 2334 NE2 HIS A 259 -5.108 3.092 45.401 1.00 2.85											
ATOM 2334 NE2 HIS A 259 5.158 3.092 44.089 1.00 2.78	ATOM										
ATOM 2335 CD2 HIS A 259 3.981 2.861 43.465 1.00 2.13	ATOM										
ATOM 2336 C											
ATOM 2337 O HIS A 259 0.052 4.713 43.548 1.00 0.02	ATOM										
ATOM 2340 CA GLN A 260 -1.628 4.609 41.932 1.00 0.02	ATOM	2337	0								
ATOM 2340 CA GLN A 260 -1,776 6.062 41,789 1.00 0.01	ATOM	2338	N	GLN	A						
ATOM 2341 CB GLN A 260 -0.553 6.614 41.061 1.00 1.24	ATOM	2340	CA	GLN	Α	260	-1.776	6.062	41.789	1.00	0.01
ATOM 2342 CG GLN A 260 -0.607 8.123 40.842 1.00 1.25 ATOM 2343 CD GLN A 260 -0.738 8.994 42.150 1.00 2.10 ATOM 2344 OE1 GLN A 260 -1.835 8.996 42.716 1.00 2.67 ATOM 2348 C GLN A 260 -0.355 9.512 42.553 1.00 2.69 ATOM 2348 C GLN A 260 -0.355 9.512 42.553 1.00 2.69 ATOM 2349 O GLN A 260 -3.191 6.194 39.829 1.00 0.01 ATOM 2350 N LYS A 261 -4.002 7.002 41.764 1.00 0.02 ATOM 2352 CA LYS A 261 -5.294 7.379 41.178 1.00 0.02 ATOM 2353 CB LYS A 261 -5.387 7.054 42.190 1.00 0.68 ATOM 2354 CG LYS A 261 -6.387 7.054 42.190 1.00 0.88 ATOM 2355 CD LYS A 261 -8.854 6.981 42.655 1.00 1.70 ATOM 2356 CE LYS A 261 -8.891 7.763 43.953 1.00 2.92 ATOM 2357 NZ LYS A 261 -9.741 7.398 44.917 1.00 2.92 ATOM 2358 CE LYS A 261 -9.741 7.398 44.917 1.00 2.92 ATOM 2359 O LYS A 261 -9.741 7.398 44.917 1.00 0.01 ATOM 2350 N GLU A 262 -4.938 9.203 39.614 1.00 0.01 ATOM 2360 N GLU A 262 -4.938 9.203 39.614 1.00 0.01 ATOM 2360 CG GLU A 262 -4.938 9.203 39.614 1.00 0.01 ATOM 2360 CG GLU A 262 -4.157 1.1543 0.051 1.00 2.06 ATOM 2364 CG GLU A 262 -1.797 1.2217 41.042 1.00 3.07 ATOM 2366 CG GLU A 262 -1.157 1.1543 0.051 1.00 0.01 ATOM 2366 CG GLU A 262 -1.157 1.1543 0.051 1.00 0.01 ATOM 2366 CG GLU A 262 -1.157 1.0542 39.987 1.00 4.49 ATOM 2367 CG GLU A 262 -1.158 1.099 37.802 1.00 0.02 ATOM 2369 O GLU A 262 -1.158 1.099 37.450 1.00 0.00 ATOM 2369 O GLU A 262 -1.167 1.349 37.326 1.00 0.00 ATOM 2369 O GLU A 262 -1.157 1.094	ATOM		CB	GLN	Α	260					
ATOM 2344 OE1 GLN A 260 -0.738 8.894 42.150 1.00 2.10 ATOM 2344 OE1 GLN A 260 -1.835 8.996 42.716 1.00 2.67 ATOM 2345 NE2 GLN A 260 -3.068 6.411 41.041 1.00 0.06 ATOM 2349 O GLN A 260 -3.068 6.411 41.041 1.00 0.00 ATOM 2349 O GLN A 260 -3.068 6.411 41.041 1.00 0.00 ATOM 2349 O GLN A 260 -3.068 6.411 41.041 1.00 0.00 ATOM 2350 N LYS A 261 -4.002 7.002 41.764 1.00 0.02 ATOM 2352 CA LYS A 261 -4.002 7.002 41.764 1.00 0.02 ATOM 2353 CB LYS A 261 -5.394 7.379 41.178 1.00 0.02 ATOM 2353 CB LYS A 261 -5.387 7.054 42.190 1.00 0.88 ATOM 2355 CD LYS A 261 -7.778 7.356 41.645 1.00 1.70 ATOM 2355 CE LYS A 261 -8.854 6.981 42.655 1.00 1.70 ATOM 2357 NZ LYS A 261 -8.854 6.981 42.655 1.00 1.70 ATOM 2358 C LYS A 261 -8.691 7.763 43.953 1.00 2.39 ATOM 2358 C LYS A 261 -5.314 8.869 40.840 1.00 0.01 ATOM 2359 O LYS A 261 -5.677 6.99 41.681 1.00 0.01 ATOM 2360 N GLU A 262 -4.938 9.203 9.9614 1.00 0.01 ATOM 2362 CA GLU A 262 -3.393 11.113 39.505 1.00 2.79 ATOM 2365 CB GLU A 262 -3.393 11.113 39.505 1.00 2.79 ATOM 2366 CB GLU A 262 -3.393 11.113 39.505 1.00 2.79 ATOM 2366 CB GLU A 262 -3.393 11.113 39.505 1.00 2.79 ATOM 2366 CB GLU A 262 -3.393 37.326 1.00 0.02 ATOM 2367 CE GLU A 262 -1.315 1.2623 39.987 1.00 4.49 ATOM 2369 O GLU A 262 -1.797 12.277 41.042 1.00 0.02 ATOM 2369 O GLU A 262 -1.787 1.092 37.802 1.00 0.02 ATOM 2369 O GLU A 262 -1.787 1.092 37.802 1.00 0.02 ATOM 2369 O GLU A 262 -1.815 1.093 37	ATOM	2342	CG	GLN	A	260	-0.607	8.123	40.842	1.00	
ATOM 2348 C GLN A 260 0.355 0.512 42.553 1.00 2.69			CD	GLN	A	260	-0.738	8.894	42.150	1.00	
ATOM 2349 O GLN A 260 -3.068 6.411 41.041 1.00 0.00 ATOM 2349 O GLN A 260 -3.191 6.194 39.829 1.00 0.01 ATOM 2350 N LYS A 261 -4.002 7.002 41.764 1.00 0.02 ATOM 2352 CA LYS A 261 -5.294 7.379 41.178 1.00 0.02 ATOM 2353 CB LYS A 261 -5.387 7.054 42.190 1.00 0.03 ATOM 2354 CG LYS A 261 -5.387 7.054 42.190 1.00 0.08 ATOM 2355 CD LYS A 261 -5.8854 6.981 42.655 1.00 1.70 ATOM 2356 CE LYS A 261 -8.854 6.981 42.655 1.00 1.70 ATOM 2357 NZ LYS A 261 -8.854 6.981 42.655 1.00 1.70 ATOM 2358 CE LYS A 261 -9.741 7.398 44.917 1.00 2.92 ATOM 2358 CE LYS A 261 -5.677 9.699 41.681 1.00 0.01 ATOM 2359 O LYS A 261 -5.677 9.699 41.681 1.00 0.01 ATOM 2360 N GLU A 262 -4.938 9.203 39.614 1.00 0.01 ATOM 2360 CR GLU A 262 -4.918 9.203 39.614 1.00 0.01 ATOM 2363 CB GLU A 262 -3.157 11.543 40.951 1.00 2.06 ATOM 2364 CG GLU A 262 -1.797 12.217 41.042 1.00 3.90 ATOM 2365 CD GLU A 262 -1.797 12.217 41.042 1.00 3.90 ATOM 2366 CE GLU A 262 -1.797 12.217 41.042 1.00 3.90 ATOM 2367 CE GLU A 262 -1.797 12.217 41.042 1.00 3.90 ATOM 2367 CE GLU A 262 -1.797 12.217 41.042 1.00 0.01 ATOM 2369 C GLU A 262 -1.797 12.217 41.042 1.00 0.01 ATOM 2367 OE GLU A 262 -1.787 1.994 37.326 1.00 0.02 ATOM 2369 O GLU A 262 -1.787 1.994 37.326 1.00 0.00 ATOM 2370 N GLN A 263 -4.375 11.994 37.326 1.00 0.00 ATOM 2370 N GLN A 263 -4.375 11.994 37.326 1.00 0.00 ATOM 2370 N GLN A 263 -4.375 11.994 37.326 1.00 0.00 ATOM 2370 N GLN A 262 -4.375			OE1	GLN	A	260	-1.835	8.996	42.716	1.00	2.67
ATOM 2349 O GLN A 260 3.191 6.194 39.829 1.00 0.01			NE2	GLN	A	260	0.355	9.512	42.553	1.00	2.69
ATOM 2350 N LYS A 261 -4.002 7.002 41.764 1.00 0.02 ATOM 2352 CA LYS A 261 -5.294 7.379 41.178 1.00 0.02 ATOM 2353 CB LYS A 261 -5.294 7.379 41.178 1.00 0.02 ATOM 2353 CB LYS A 261 -6.387 7.054 42.190 1.00 0.88 ATOM 2354 CG LYS A 261 -7.778 7.356 41.645 1.00 1.64 ATOM 2355 CD LYS A 261 -8.854 6.981 42.655 1.00 1.70 ATOM 2356 CE LYS A 261 -8.854 6.981 42.655 1.00 1.70 ATOM 2357 NZ LYS A 261 -8.691 7.763 43.953 1.00 2.32 ATOM 2358 C LYS A 261 -9.741 7.398 44.917 1.00 2.92 ATOM 2359 O LYS A 261 -5.677 9.699 41.681 1.00 0.01 ATOM 2360 N GLU A 262 -4.938 9.203 39.614 1.00 0.01 ATOM 2363 CB GLU A 262 -4.815 10.622 39.243 1.00 0.02 ATOM 2364 CG GLU A 262 -3.157 11.543 40.951 1.00 2.06 ATOM 2365 CD GLU A 262 -1.797 12.217 41.042 1.00 3.90 ATOM 2366 OEI GLU A 262 -1.797 12.217 41.042 1.00 3.90 ATOM 2367 OE2 GLU A 262 -1.178 10.992 37.802 1.00 4.49 ATOM 2368 C GLU A 262 -1.178 10.992 37.802 1.00 0.02 ATOM 2367 OE2 GLU A 262 -1.178 10.992 37.802 1.00 0.02 ATOM 2369 O GLU A 262 -1.178 10.992 37.802 1.00 0.02 ATOM 2369 O GLU A 262 -1.178 10.992 37.802 1.00 0.02 ATOM 2369 O GLU A 262 -1.178 10.992 37.802 1.00 0.00 ATOM 2369 O GLU A 262 -1.178 1.094 37.326 1.00 0.00 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.00 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.00 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.00 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.00 ATOM 2370 N GLN A 263 -4.3				GLN	Α	260	-3.068	6.411	41.041	1.00	0.00
ATOM 2352 CA LYS A 261 -5.294 7.379 41.178 1.00 0.02 ATOM 2353 CB LYS A 261 -6.387 7.054 42.190 1.00 0.88 ATOM 2354 CG LYS A 261 -7.778 7.356 41.645 1.00 1.64 ATOM 2355 CD LYS A 261 -8.854 6.981 42.655 1.00 1.70 ATOM 2356 CE LYS A 261 -8.854 6.981 42.655 1.00 1.70 ATOM 2357 NZ LYS A 261 -8.891 7.763 43.953 1.00 2.39 ATOM 2358 C LYS A 261 -9.741 7.398 44.917 1.00 2.92 ATOM 2359 O LYS A 261 -5.314 8.869 40.840 1.00 0.01 ATOM 2359 O LYS A 261 -5.314 8.869 40.840 1.00 0.01 ATOM 2360 N CIU A 262 -4.938 9.203 39.614 1.00 0.01 ATOM 2360 N CIU A 262 -4.938 9.203 39.614 1.00 0.01 ATOM 2361 CS CS CS CS CS CS CS C						260	-3.191	6.194	39.829	1.00	0.01
ATOM 2353 CB LYS A 261 -6.387 7.054 42.190 1.00 0.88					Α	261	-4.002	7.002	41.764	1.00	0.02
ATOM 2354 CG LYS A 261 -7.778 7.356 41.645 1.00 1.64							-5.294	7.379	41.178	1.00	0.02
ATOM 2356 CD LYS A 261 8.854 6.981 42.655 1.00 1.70									42.190	1.00	0.88
ATOM 2356 CE LYS A 261 -8.691 7.763 43.953 1.00 2.39 ATOM 2357 NZ LYS A 261 -9.741 7.398 44.917 1.00 2.92 ATOM 2358 C LYS A 261 -5.314 8.89 49.17 1.00 2.92 ATOM 2359 O LYS A 261 -5.677 9.699 41.681 1.00 0.01 ATOM 2360 N GLU A 262 -4.815 10.622 39.243 1.00 0.01 ATOM 2363 CB GLU A 262 -4.815 10.622 39.243 1.00 0.02 ATOM 2363 CB GLU A 262 -3.157 11.543 40.951 1.00 2.06 ATOM 2364 CG GLU A 262 -3.157 11.543 40.951 1.00 2.96 ATOM 2366 OEI GLU A 262 -1.797 12.217 41.042 1.00 3.90 ATOM 2366 OEI GLU A 262 -1.135 12.623 39.987 1.00 4.49 ATOM 2367 OE2 GLU A 262 -1.135 12.623 39.987 1.00 4.49 ATOM 2368 C GLU A 262 -1.167 12.249 42.137 1.00 4.34 ATOM 2368 C GLU A 262 -1.167 12.249 42.137 1.00 4.34 ATOM 2368 C GLU A 262 -1.167 12.949 42.137 1.00 4.49 ATOM 2369 O GLU A 262 -1.167 12.949 42.137 1.00 4.49 ATOM 2369 O GLU A 262 -1.167 12.949 42.137 1.00 4.49 ATOM 2369 O GLU A 262 -6.034 10.391 37.345 1.00 0.02 ATOM 2370 N GLN A 263 -4.375 11.934 37.345 1.00 0.00					Α	261	-7.778	7.356	41.645	1.00	1.64
ATOM 2357 NZ										1.00	
ATOM 2358 C LYS A 261 -5.314 8.869 40.840 1.00 0.01 ATOM 2359 O LYS A 261 -5.677 9.699 41.681 1.00 0.01 ATOM 2360 N GLU A 262 -4.938 9.203 39.614 1.00 0.01 ATOM 2362 CA GLU A 262 -4.815 10.622 39.243 1.00 0.02 ATOM 2363 CB GLU A 262 -3.393 11.113 39.505 1.00 2.06 ATOM 2364 CG GLU A 262 -3.393 11.113 39.505 1.00 2.06 ATOM 2365 CD GLU A 262 -3.157 11.543 40.951 1.00 2.79 ATOM 2365 CD GLU A 262 -1.3157 11.543 40.951 1.00 2.79 ATOM 2366 OEI GLU A 262 -1.315 12.623 39.987 1.00 3.90 ATOM 2367 OE2 GLU A 262 -1.267 12.349 42.137 1.00 4.34 ATOM 2368 C GLU A 262 -1.267 12.349 42.137 1.00 4.34 ATOM 2368 C GLU A 262 -5.178 10.992 37.802 1.00 0.02 ATOM 2369 O GLU A 262 -6.034 10.391 37.345 1.00 0.00 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01								7.763	43.953	1.00	2.39
ATOM 2359 O LVS A 261 5.677 9.699 41.681 1.00 0.01 ATOM 2360 N GLU A 262 -4.938 9.203 39.614 1.00 0.01 ATOM 2362 CA GLU A 262 -4.815 10.622 39.243 1.00 0.02 ATOM 2363 CB GLU A 262 -3.157 11.133 39.505 1.00 2.06 ATOM 2364 CG GLU A 262 -3.157 11.543 40.951 1.00 2.79 ATOM 2365 CD GLU A 262 -1.797 12.217 41.042 1.00 3.90 ATOM 2366 OEI GLU A 262 -1.315 12.623 39.987 1.00 4.49 ATOM 2367 OEZ GLU A 262 -1.167 12.349 42.137 1.00 43.94 ATOM 2368 C GLU A 262 -5.178 10.992 37.802 1.00 0.02 ATOM 2369 O GLU A 262 -6.034 10.391 37.145 1.00 0.00 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01											2.92
ATOM 2360 N GLU A 262 4-938 9.203 39.614 1.00 0.01 ATOM 2362 CA GLU A 262 -4-818 10.622 39.243 1.00 0.02 ATOM 2363 CB GGU A 262 -3.393 11.113 39.505 1.00 2.06 ATOM 2364 CG GLU A 262 -3.157 11.543 40.951 1.00 2.79 ATOM 2365 CD GLU A 262 -1.797 12.217 41.042 1.00 3.90 ATOM 2366 DEI GLU A 262 -1.797 12.217 41.042 1.00 4.39 ATOM 2366 DEI GLU A 262 -1.267 12.349 42.137 1.00 4.34 ATOM 2368 C GLU A 262 -5.178 10.992 37.802 1.00 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.00</td> <td>0.01</td>										1.00	0.01
ATOM 2362 CA GLU A 262 4.815 10.622 39.243 1.00 0.02 ATOM 2363 CB GLU A 262 3.393 11.113 39.505 1.00 2.06 ATOM 2364 CG GLU A 262 3.393 11.113 39.505 1.00 2.06 ATOM 2365 CD GLU A 262 1.3157 11.543 40.951 1.00 2.79 ATOM 2365 CD GLU A 262 1.797 12.217 41.042 1.00 3.90 ATOM 2366 OE1 GLU A 262 1.315 12.623 39.987 1.00 4.49 ATOM 2367 OE2 GLU A 262 1.267 12.349 42.137 1.00 4.34 ATOM 2368 C GLU A 262 -1.267 12.349 42.137 1.00 4.34 ATOM 2369 O GLU A 262 -6.034 10.391 37.145 1.00 0.00 ATOM 2370 N GLN A 263 4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 4.375 11.934 37.326 1.00 0.01											
ATOM 2364 CG GLU A 262 -3.393 11.113 39.505 1.00 2.06											
ATOM 2364 CG GLU A 262 -3.157 11.543 40.951 1.00 2.79 ATOM 2365 CD GLU A 262 -1.797 12.217 41.042 1.00 3.90 ATOM 2366 DEI GLU A 262 -1.797 12.217 41.042 1.00 3.90 ATOM 2366 DEI GLU A 262 -1.267 12.349 42.137 1.00 4.34 ATOM 2367 DE2 GLU A 262 -1.267 12.349 42.137 1.00 4.34 ATOM 2368 C GLU A 262 -5.178 10.992 37.802 1.00 0.02 ATOM 2369 D GLU A 262 -6.034 10.391 37.145 1.00 0.00 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01											
ATOM 2365 CD GLU A 262 -1.797 12.217 41.042 1.00 3.90 ATOM 2366 OE1 GLU A 262 -1.315 12.623 39.987 1.00 4.49 ATOM 2367 OE2 GLU A 262 -1.315 12.623 39.987 1.00 4.49 ATOM 2368 C GLU A 262 -1.178 10.992 37.802 1.00 0.02 ATOM 2369 O GLU A 262 -6.034 10.391 37.145 1.00 0.00 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01 ATOM 2370 N GLN A 263 -4.											
ATOM 2366 OE1 GLU A 262 -1.315 12.623 39.987 1.00 4.49 ATOM 2367 OE2 GLU A 262 -1.267 12.349 42.137 1.00 4.34 ATOM 2368 C GLU A 262 -5.178 10.992 37.802 1.00 0.02 ATOM 2369 O GLU A 262 -6.034 10.391 37.456 1.00 0.00 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01											
ATOM 2367 OE2 GLU A 262 -1.267 12.349 42.137 1.00 4.34 ATOM 2368 C GLU A 262 -5.178 10.992 37.802 1.00 0.02 ATOM 2369 O GLU A 262 -6.034 10.391 37.145 1.00 0.00 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01											
ATOM 2368 C GLU A 262 -5.178 10.992 37.802 1.00 0.02 ATOM 2369 O GLU A 262 -6.034 10.391 37.145 1.00 0.00 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01											
ATOM 2369 O GLU A 262 -6.034 10.391 37.145 1.00 0.00 ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01											
ATOM 2370 N GLN A 263 -4.375 11.934 37.326 1.00 0.01											
11131 27320 1.00 0.01											
ATOM 2572 CA GLN A 263 -4.570 12.772 36.122 1.00 0.00											
	ATOM	4314	CA	ULN	A	203	-4.5 /0	12.772	36.122	1.00	0.00

ATOM	2373	CB	GLN	Α	263	-3.615	13.938	36.349	1.00	1.50
ATOM	2374	CG	GLN	Α	263	-2.219	13.357	36.596	1.00	2.17
ATOM	2375	CD	GLN	A	263	-1.135	14.425	36.683	1.00	3.16
ATOM	2376	OE1	GLN	A	263	-0.815	15.081	35.688	1.00	3.64
ATOM	2377	NE2	GLN	A	263	-0.508	14.507	37.845	1.00	3.93
ATOM	2380	С	GLN	A	263	-4.159	12.182	34.770	1.00	0.02
ATOM	2381	0	GLN	A	263	-3.864	12.951	33.851	1.00	0.01
ATOM	2382	N	PHE	Α	264	-4.137	10.874	34.627	1.00	0.02
ATOM	2384	CA	PHE	A	264	-3.383	10.288	33.515	1.00	0.01
ATOM	2385	CB	PHE	A	264	-3.114	8.840	33.871	1.00	0.00
ATOM	2386	CG	PHE	A	264	-2.376	8.716	35.193	1.00	0.02
ATOM	2387	CD1	PHE	A	264	-1.090	9.220	35.307	1.00	0.00
ATOM	2388	CE1	PHE	A	264	-0.408	9.118	36.509	1.00	0.00
ATOM	2389	CZ	PHE	A	264	-1.017	8.520	37.601	1.00	0.00
ATOM	2390	CE2	PHE	A	264	-2.311	8.034	37.494	1.00	0.00
ATOM	2391	CD2	PHE	A	264	-2.995	8.137	36.292	1.00	0.01
ATOM	2392	C	PHE	A	264	-4.063	10.395	32.156	1.00	0.02
ATOM	2393	o	PHE	A	264	-5.282	10.242	32.023	1.00	0.02
ATOM	2394	N	ALA	A	265	-3.256	10.726	31.160	1.00	0.00
ATOM	2396	CA	ALA	A	265	-3.737	10.764	29.778	1.00	0.02
ATOM	2397	CB	ALA	A	265	-2.667	11.385	28.888	1.00	0.49
ATOM	2398	C	ALA	A	265	-4.049	9.342	29.339	1.00	0.49
ATOM	2399	0	ALA	A	265	-3.198	8.446	29.443	1.00	0.01
ATOM	2400	N	PHE	A	266	-5.265	9.141	28.868	1.00	0.01
ATOM	2402	CA	PHE	A	266	-5.734	7.775	28.640	1.00	0.01
ATOM	2403	CB	PHE	A	266	-6.156	7.234	30.003	1.00	1.51
ATOM	2404	CG	PHE	A	266	-6.592	5.776	30.003	1.00	1.98
ATOM	2405	CD1	PHE	A	266	-5.645	4.769	29.916	1.00	2.64
ATOM	2406	CE1	PHE	A	266	-6.042	3.441	29.910	1.00	3.43
ATOM	2407	CZ	PHE	A	266	-7.386	3.122	30.058	1.00	3.64
ATOM	2408	CE2	PHE	A	266	-8.332	4.128	30.183	1.00	3.15
ATOM	2409	CD2	PHE	A	266	-7.933	5.455	30.172	1.00	2.32
ATOM	2410	C	PHE	A	266	-6.904	7.704	27.665	1.00	0.01
ATOM	2411	0	PHE	A	266	-7.866	8.475	27.754	1.00	0.01
ATOM	2412	N	GLY	A	267	-6.821	6.749	26.755	1.00	0.01
ATOM	2414	CA	GLY	A	267	-7.928	6.507	25.824	1.00	0.00
ATOM	2415	C	GLY	A	267	-8.132	5.019	25.554	1.00	0.00
ATOM	2416	0	GLY	A	267	-7.181	4.231	25.560	1.00	0.01
ATOM	2417	N	VAL	A	268	-9.381	4.625	25.392	1.00	0.00
ATOM	2419	CA	VAL	A	268	-9.668	3.233	25.027	1.00	0.01
ATOM	2420	CB	VAL	A	268	-	2.778	25.676	1.00	0.65
						10.971	2	23.070	1.00	0.05
ATOM	2421	CG1	VAL	Α	268	-	1.348	25.270	1.00	0.75
						11.318	110.10	23.270	1.00	0.75
ATOM	2422	CG2	VAL	A	268	-	2.887	27.194	1.00	0.82
						10.887	2.007	27.154	1.00	0.02
ATOM	2423	C	VAL	A	268	-9.748	3.112	23.508	1.00	0.01
ATOM	2424	0	VAL	A	268	-	3.521	22.871	1.00	0.01
						10.726		221011	1.00	0.01
ATOM	2425	N	ASP	Α	269	-8.692	2.563	22.940	1.00	0.01
ATOM	2427	CA	ASP	A	269	-8.605	2.409	21.493	1.00	0.00
ATOM	2428	CB	ASP	A	269	-7.123	2.419	21.123	1.00	0.44
ATOM	2429	CG	ASP	A	269	-6.905	2.536	19.616	1.00	0.29
ATOM	2430	OD1	ASP	A	269	-6.024	3.277	19.222	1.00	0.56
ATOM	2431	OD2	ASP	A	269	-7.593	1.833	18.883	1.00	0.37
ATOM	2432	C	ASP	A	269	-9.270	1.096	21.091	1.00	0.01
ATOM	2433	0	ASP	A	269	-8.686	0.017	21.240	1.00	0.01
ATOM	2434	N	THR	A	270	-	1.211	20.369	1.00	0.00
								-0.007	1.00	0.00

				-		10.371				
ATOM	2436	CA	THR	A	270	-	0.021	19.977	1.00	0.01
						11.141				
ATOM	2437	CB	THR	A	270	-	0.481	19.617	1.00	0.50
						12.550				
ATOM	2438	OG1	THR	A	270	-	1.154	20.750	1.00	0.86
						13.085				
ATOM	2439	CG2	THR	A	270	-	-0.684	19.282	1.00	1.61
				-		13.474				
ATOM	2440	C	THR	A	270	-	-0.760	18.810	1.00	0.00
						10.521				
ATOM	2441	0	THR	A	270	-	-1.983	18.756	1.00	0.01
						10.683				
ATOM	2442	N	GLU	A	271	-9.583	-0.147	18.105	1.00	0.01
ATOM	2444	CA	GLU	A	271	-8.892	-0.832	17.005	1.00	0.00
ATOM	2445	CB	GLU	A	271	-8.414	0.220	16.012	1.00	0.34
ATOM	2446	CG	GLU	A	271	-9.585	1.034	15.473	1.00	0.93
ATOM	2447	CD	GLU	A	271	-9.085	2.127	14.536	1.00	0.82
ATOM	2448	OE1	GLU	A	271	-8.023	1.944	13.958	1.00	0.84
ATOM	2449	OE2	GLU	A	271	-9.733	3.165	14.488	1.00	1.00
ATOM	2450	С	GLU	A	271	-7.696	-1.638	17.517	1.00	0.01
ATOM	2451	0	GLU	A	271	-7.262	-2.594	16.869	1.00	0.01
ATOM	2452	N	LEU	A	272	-7.251	-1.310	18.721	1.00	0.00
ATOM	2454	CA	LEU	A	272	-6.228	-2.101	19.418	1.00	0.01
ATOM	2455	CB	LEU	A	272	-5.293	-1.154	20.163	1.00	0.01
ATOM	2456	CG	LEU	A	272	-4.450	-0.309	19.215	1.00	0.00
ATOM	2457	CDI	LEU	A	272	-3.644	0.734	19.982	1.00	0.00
ATOM	2458	CD2	LEU	A	272	-3.523	-1.188	18.386	1.00	0.01
ATOM	2459	C	LEU	A	272	-6.896	-3.040	20.418	1.00	0.01
ATOM	2460	ō	LEU	A	272	-6.260	-3.935	20.987	1.00	0.00
ATOM	2461	N	ASN	A	273	-8.204	-2.877	20.518	1.00	0.00
ATOM	2463	CA	ASN	A	273	-9.056	-3.573	21.475	1.00	0.01
ATOM	2464	CB	ASN	A	273	-9.106	-5.052	21.124	1.00	0.59
ATOM		CG	ASN	A	273	-9.100	-5.554	21.328	1.00	1.61
ATOM	2465	CG	ASN	A	213	10.529	-3.334	21.328	1.00	1.01
ATOM	2466	ODI	ACOL	4	272	10.329	£ 150	22 279	1.00	2.10
ATOM	2466	OD1	ASN	Α	273	11 210	-5.159	22.278	1.00	2.19
1001	2467	NTDO	1007	-	272	11.218	6 200	20.411	1.00	2.30
ATOM	2467	ND2	ASN	Α	273	10.962	-6.398	20.411	1.00	2.30
1.001.6	2470	C	ASN		272	-8.580	-3.367	22,908	1.00	0.01
ATOM				A	273					
ATOM	2471	0	ASN	A	273	-7.951	-4.275	23.470	1.00	0.01
ATOM	2472	N G4	CYS	A	274	-8.633	-2.102	23.321	1.00	0.01
ATOM	2474	CA	CYS	A	274	-8.541	-1.636	24.728	1.00	0.00
ATOM	2475	CB	CYS	A	274	-8.367	-2.729	25.774	1.00	0.97
ATOM	2476	SG	CYS	A	274	-9.906	-3.343	26.496	1.00	2.23
ATOM	2477	C	CYS	A	274	-7.560	-0.496	25.011	1.00	0.01
ATOM	2478	0	CYS	A	274	-7.305	0.404	24.202	1.00	0.01
ATOM	2479	N	PHE	A	275	-7.079	-0.543	26.240	1.00	0.01
ATOM	2481	CA	PHE	A	275	-6.541	0.622	26.959	1.00	0.01
ATOM	2482	CB	PHE	A	275	-6.426	0.196	28.420	1.00	0.85
ATOM	2483	CG	PHE	A	275	-7.696	-0.445	28.981	1.00	1.11
ATOM	2484	CD1	PHE	A	275	-8.913	0.223	28.910	1.00	1.88
ATOM	2485	CE1	PHE	A	275	-	-0.374	29.406	1.00	2.82
						10.064	ļ			ļ
ATOM	2486	CZ	PHE	A	275	-9.999	-1.637	29.980	1.00	2.95
ATOM	2487	CE2	PHE	A	275	-8.782	-2.300	30.062	1.00	2.21
ATOM	2488	CD2	PHE	A	275	-7.631	-1.703	29.565	1.00	1.32
ATOM	2489	С	PHE	A	275	-5.181	1.126	26.485	1.00	0.01

ATOM	2490	0	PHE	Α	275	-4.230	0.355	26.329	1.00	0.01
ATOM	2491	N	VAL	A	276	-5.105	2.430	26.274	1.00	0.01
ATOM	2493	CA	VAL	A	276	-3.837	3.106	25.971	1.00	0.00
ATOM	2494	CB	VAL	A	276	-3.917	3.722	24.575	1.00	0.00
ATOM	2495	CG1	VAL	A	276	-2.630	4.465	24.228	1.00	0.00
ATOM	2496	CG2	VAL	A	276	-4.222	2.669	23.515	1.00	0.01
ATOM	2497	С	VAL	A	276	-3.557	4.212	26.993	1.00	0.01
ATOM	2498	0	VAL	A	276	-4.204	5.270	26.990	1.00	0.01
ATOM	2499	N	LEU	A	277	-2.644	3.919	27.905	1.00	0.00
ATOM	2501	CA	LEU	A	277	-2.197	4.899	28.908	1.00	0.00
ATOM	2502	CB	LEU	A	277	-1.933	4.135	30.206	1.00	0.01
ATOM	2503	CDI	LEU	A	277 277	-1.598 -2.724	5.042 6.031	31.386 31.654	1.00	0.01
ATOM ATOM	2504 2505	CD1 CD2	LEU	A	277	-2.724	4.224	32.638	1.00	0.01
ATOM	2505	CD2	LEU	A	277	-0.921	5.591	28.423	1.00	0.02
ATOM	2506	0	LEU	A	277	-0.921	4.944	27.808	1.00	0.01
ATOM	2507	N	GLN	A	278	-0.822	6.894	28.624	1.00	0.01
ATOM	2510	CA	GLN	A	278	0.382	7.618	28.196	1.00	0.01
ATOM	2511	CB	GLN	A	278	0.085	8.219	26.831	1.00	0.54
ATOM	2511	CG	GLN	A	278	-1.353	8.713	26.749	1.00	0.92
ATOM	2512	CD	GLN	A	278	-1.695	9.059	25.309	1.00	0.81
ATOM	2514	OE1	GLN	A	278	-1.901	8.168	24.475	1.00	1.23
ATOM	2515	NE2	GLN	A	278	-1.791	10.347	25.047	1.00	1.11
ATOM	2518	C	GLN	Α	278	0.855	8.675	29.201	1.00	0.01
ATOM	2519	0	GLN	A	278	0.274	9.761	29.337	1.00	0.00
ATOM	2520	N	MET	A	279	1.957	8.353	29.860	1.00	0.01
ATOM	2522	CA	MET	A	279	2.542	9.250	30.873	1.00	0.00
ATOM	2523	CB	MET	A	279	2.636	8.492	32.190	1.00	0.02
ATOM	2524	CG	MET	A	279	1.261	8.070	32.692	1.00	0.02
ATOM	2525	SD	MET	A	279	1.280	7.035	34.170	1.00	0.02
ATOM	2526	CE	MET	A	279	2.174	5.622	33.495	1.00	0.01
ATOM	2527 2528	C	MET MET	A	279 279	3.937 4.822	9.737 8.939	30.481	1.00	0.01
ATOM	2528	N	ASP	A	280	4.822	11.040	30.155	1.00	0.01
ATOM	2529	CA	ASP	A	280	5.448	11.608	30.333	1.00	0.02
ATOM	2532	CB	ASP	A	280	5.233	13.052	29.725	1.00	0.60
ATOM	2533	CG	ASP	A	280	6.513	13.690	29.173	1.00	1.52
ATOM	2534	OD1	ASP	A	280	7.222	13.007	28.441	1.00	2.18
ATOM	2535	OD2	ASP	A	280	6.670	14.888	29.350	1.00	1.96
ATOM	2536	C	ASP	Α	280	6.442	11.557	31.355	1.00	0.01
ATOM	2537	0	ASP	Α	280	6.096	11.768	32.529	1.00	0.00
ATOM	2538	N	TYR	Α	281	7.657	11.163	31.014	1.00	0.01
ATOM	2540	CA	TYR	A	281	8.799	11.244	31.924	1.00	0.01
ATOM	2541	CB	TYR	A	281	9.948	10.412	31.369	1.00	0.01
ATOM	2542	CG	TYR	A	281	9.693	8.913	31.359	1.00	0.01
ATOM	2543	CD1	TYR	A	281	9.194	8.289	32.494	1.00	0.00
ATOM	2544	CE1	TYR	A	281	8.969	6.921	32.489	1.00	0.02
ATOM	2545	CZ	TYR	A	281	9.245	6.179	31.350	1.00	0.01
ATOM	2546	OH	TYR	A	281	9.043	4.816	31.357	1.00	0.00
ATOM	2547	CE2	TYR	A	281	9.745	6.799	30.214	1.00	0.01
ATOM	2548	CD2 C	TYR	A	281	9.972	8.168 12.687	30.220	1.00	0.00
ATOM ATOM	2549 2550	0	TYR	A	281	8.700	13.569	31.367	1.00	0.01
ATOM	2551	N	LYS	A	281	10.160	12.940	32.962	1.00	0.02
ATOM	2553	CA	LYS	A	282	10.701	14.291	33.131	1.00	0.02
ATOM	2554	CB	LYS	A	282	11.492	14.351	34.433	1.00	0.41
ATOM	2555	CG	LYS	A	282	10.586	14.149	35.641	1.00	0.84
ATOM	2556	CD	LYS	A	282	11.364	14.264	36.948	1.00	1.00
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ATOM 2558 XZ
ATOM 2560 C
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ATOM 2564 C GIV A 283 11.242 15.903 28.625 1.00 0.0 ATOM 2565 O GLY A 283 10.740 16.897 28.090 1.00 0.0 ATOM 2566 N ASP A 284 11.319 14.720 28.034 1.00 0.0 ATOM 2568 CA ASP A 284 11.319 14.720 28.034 1.00 0.0 ATOM 2569 CB ASP A 284 11.311 15.258 25.704 1.00 0.0 ATOM 2570 CG ASP A 284 13.67 14.827 25.890 1.00 0.0 ATOM 2570 CG ASP A 284 13.687 13.930 25.169 1.00 0.0 ATOM 2571 OD1 ASP A 284 13.687 13.930 25.169 1.00 1.0 ATOM 2572 OD2 ASP A 284 13.942 15.402 26.734 1.00 1.0 ATOM 2573 C ASP A 284 13.090 13.068 26.243 1.00 0.0 ATOM 2575 N ALA A 285 9.862 12.330 26.963 1.00 0.0 ATOM 2575 N ALA A 285 9.665 10.911 26.629 1.00 0.0 ATOM 2578 CB ALA A 285 8.362 10.354 27.198 1.00 0.0 ATOM 2579 C ALA A 285 8.362 10.354 27.198 1.00 0.0 ATOM 2580 O ALA A 285 8.362 10.354 27.198 1.00 0.0 ATOM 2581 N VAL A 286 5.077 9.989 25.761 1.00 0.0 ATOM 2583 CA VAL A 286 5.129 11.505 25.621 1.00 0.0 ATOM 2585 CG VAL A 286 6.148 7.978 25.921 1.00 0.0 ATOM 2585 CG VAL A 286 6.148 7.978 25.921 1.00 0.0 ATOM 2586 CG2 VAL A 286 6.418 7.978 25.791 1.00 0.0 ATOM 2587 C VAL A 286 6.418 7.978 25.791 1.00 0.0 ATOM 2587 C VAL A 286 6.418 7.978 25.791 1.00 0.0 ATOM 2588 O VAL A 286 6.418 7.978 25.791 1.00 0.0 ATOM 2587 C VAL A 286 6.418 7.978 25.791 1.00 0.0 ATOM 2588 O VAL A 286 6.418 7.978 25.991 1.00 0.0 ATOM 2588 O VAL A 286 6.418 7.978 25.791 1.00 0.0 ATOM 2588 O VAL A 286 6.418 7.978 25.791 1.00 0.0 ATOM
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ATOM 2572 OD2 ASP A 284 13.942 15.402 26.734 1.00 1.
ATOM 2573 C ASP A 284 10.690 13.068 26.243 1.00 0.00 ATOM 2574 O ASP A 284 11.207 12.656 25.195 1.00 0.00 ATOM 2575 N ALA A 285 9.862 12.330 26.963 1.00 0.00 ATOM 2577 CA ALA A 285 9.865 10.91 26.629 1.00 0.00 ATOM 2578 CB ALA A 285 9.665 10.91 26.629 1.00 0.00 ATOM 2578 CB ALA A 285 8.362 10.354 27.198 1.00 0.00 ATOM 2579 C ALA A 285 8.362 10.354 27.198 1.00 0.00 ATOM 2580 O ALA A 285 8.362 10.354 27.198 1.00 0.00 ATOM 2581 N VAL A 286 8.231 10.161 28.413 1.00 0.00 ATOM 2583 CA VAL A 286 6.142 9.503 26.737 1.00 0.00 ATOM 2584 CB VAL A 286 5.077 9.989 25.761 1.00 0.00 ATOM 2585 CG1 VAL A 286 5.129 11.505 25.621 1.00 0.00 ATOM 2586 CG2 VAL A 286 6.148 7.978 26.791 1.00 0.00 ATOM 2587 C VAL A 286 6.148 7.978 26.791 1.00 0.00 ATOM 2588 O VAL A 286 6.418 7.298 25.793 1.00 0.00 ATOM 2588 O VAL A 286 6.418 7.298 25.793 1.00 0.00 ATOM 2589 N ALA A 287 5.878 7.456 27.974 1.00 0.00 ATOM 2591 CA ALA A 287 5.878 7.456 27.974 1.00 0.00 ATOM 2591 CA ALA A 287 5.878 7.456 27.974 1.00 0.00 ATOM 2591 CA ALA A 287 5.878 7.456 27.974 1.00 0.00 ATOM 2591 CA ALA A 287 5.878 7.575 6.012 28.160 1.00 0.00 ATOM 2591 CA ALA A 287 5.875 6.012 28.160 1.00 0.00 ATOM 2591 CA ALA A 287 5.875 6.012 28.160 1.00 0.00 ATOM 2591 CA ALA A 287 5.875 6.012 28.160 1.00 0.00 ATOM 2591 CA ALA A 287 5.875 6.012 28.160 1.00 0.00 ATOM 2591 CA ALA ALA 287 5.875 6.012 28.160 1.00 0.00 ATOM 2591 CA ALA ALA 287 5.875 6.012 28.
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ATOM 2592 CB ALA A 287 6195 5658 20 572 100 0
ATOM 2593 C ALA A 287 4.316 5.565 27.945 1.00 0.4
ATOM 2594 O ALA A 287 3.404 5.909 28.713 1.00 0.0
ATOM 2595 N PHE A 288 4.123 4.857 26.849 1.00 0.0
ATOM 2597 CA PHE A 288 2.825 4.271 26.525 1.00 0.0
ATOM 2598 CB PHE A 288 2.663 4.190 25.010 1.00 0.4
ATOM 2599 CG PHE A 288 2.617 5.528 24.268 1.00 0.0
ATOM 2600 CD1 PHE A 288 1.409 6.199 24.136 1.00 1.00
ATOM 2601 CE1 PHE A 288 1.355 7.409 23.454 1.00 1.3
ATOM 2602 CZ PHE A 288 2.509 7.946 22.898 1.00 1.0
ATOM 2603 CE2 PHE A 288 3.716 7.272 23.024 1.00 0.9
ATOM 2604 CD2 PHE A 288 3.769 6.064 23.705 1.00 0.00
ATOM 2605 C PHE A 288 2.695 2.876 27.131 1.00 0.6
ATOM 2606 O PHE A 288 3.632 2.066 27.116 1.00 0.6
ATOM 2607 N PHE A 289 1.533 2.653 27.717 1.00 0.0
ATOM 2609 CA PHE A 289 1.172 1.371 28.329 1.00 0.0
ATOM 2610 CB PHE A 289 1.036 1.550 29.837 1.00 0.0
ATOM 2611 CG PHE A 289 2.351 1.838 30.553 1.00 0.6
ATOM 2612 CD1 PHE A 289 3.146 0.780 30.970 1.00 0.0
ATOM 2613 CE1 PHE A 289 4.347 1.026 31.621 1.00 0.0
ATOM 2614 CZ PHE A 289 4.754 2.331 31.853 1.00 0.0
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ATOM 2615 CE2 PHE A 289 3.958 3.391 31.439 1.00 0.0
ATOM 2616 CD2 PHE A 289 2.755 3.145 30.793 1.00 0.0
ATOM 2616 CD2 PHE A 289 2.755 3.145 30.793 1.00 0.0 ATOM 2617 C PHE A 289 -0.146 0.882 27.747 1.00 0.0
ATOM 2616 CD2 PHE A 289 2.755 3.145 30.793 1.00 0.0 ATOM 2617 C PHE A 289 -0.146 0.882 27.747 1.00 0.0 ATOM 2618 O PHE A 289 -1.244 1.344 28.121 1.00 0.0
ATOM 2616 CD2 PHE A 289 2.755 3.145 30.793 1.00 0.0 ATOM 2617 C PHE A 289 -0.146 0.882 27.747 1.00 0.0 ATOM 2618 O PHE A 289 -1.234 1.344 28.121 1.00 0.0 ATOM 2619 N VAL A 290 -0.030 -0.050 26.819 1.00 0.0
ATOM 2616 CD2 PHE A 289 2.755 3.145 30.793 1.00 0.0 ATOM 2617 C PHE A 289 -0.146 0.882 27.747 1.00 0.0 ATOM 2618 O PHE A 289 -1.244 1.344 28.121 1.00 0.0

ATOM	2623	CG1	VAL	Α	290	-2.103	-0.578	23.760	1.00	0.27
ATOM	2624	CG2	VAL	Α	290	0.031	0.603	24.221	1.00	0.21
ATOM	2625	C	VAL	Α	290	-1.639	-1.905	26.591	1.00	0.01
ATOM	2626	0	VAL	A	290	-0.972	-2.922	26.362	1.00	0.01
ATOM	2627	N	LEU	Α	291	-2.783	-1.917	27.250	1.00	0.00
ATOM	2629	CA	LEU	A	291	-3.341	-3.146	27.826	1.00	0.01
ATOM	2630	CB	LEU	Α	291	-3.874	-2.824	29.219	1.00	0.01
ATOM	2631	CG	LEU	Α	291	-4.424	-4.056	29.932	1.00	0.01
ATOM	2632	CD1	LEU	A	291	-3.342	-5.113	30.113	1.00	0.02
ATOM	2633	CD2	LEU	Α	291	-5.021	-3.677	31.281	1.00	0.01
ATOM	2634	C	LEU	Α	291	-4.474	-3.678	26.953	1.00	0.01
ATOM	2635	0	LEU	A	291	-5.575	-3.111	26.930	1.00	0.00
ATOM	2636	N	PRO	Α	292	-4.194	-4.771	26.261	1.00	0.01
ATOM	2637	CA	PRO	A	292	-5.169	-5.403	25.370	1.00	0.01
ATOM	2638	CB	PRO	Α	292	-4.388	-6.418	24.595	1.00	0.01
ATOM	2639	CG	PRO	A	292	-2.992	-6.534	25.186	1.00	0.01
ATOM	2640	CD	PRO	A	292	-2.916	-5.489	26.284	1.00	0.01
ATOM	2641	C	PRO	Α	292	-6.287	-6.090	26.139	1.00	0.01
ATOM	2642	0	PRO	A	292	-6.165	-6.362	27.340	1.00	0.02
ATOM	2643	N	SER	A	293	-7.386	-6.324	25.445	1.00	0.01
ATOM	2645	CA	SER	Α	293	-8.472	-7.139	26.000	1.00	0.01
ATOM	2646	CB	SER	Α	293	-9.636	-7.190	25.017	1.00	1.05
ATOM	2647	OG	SER	Α	293	-	-5.868	24.781	1.00	1.03
						10.092				
ATOM	2648	C	SER	Α	293	-7.975	-8.559	26.229	1.00	0.01
ATOM	2649	0	SER	A	293	-7.012	-8.999	25.587	1.00	0.01
ATOM	2650	N	LYS	A	294	-8.613	-9.258	27.152	1.00	0.00
ATOM	2652	CA	LYS	A	294	-8.253	-	27.434	1.00	0.01
							10.655			
ATOM	2653	CB	LYS	Α	294	-9.124	-	28.587	1.00	0.54
							11.140			
ATOM	2654	CG	LYS	A	294	-8.797	-	28.996	1.00	1.54
							12.572			
ATOM	2655	CD	LYS	A	294	-9.634	-	30.198	1.00	2.50
							12.990			
ATOM	2656	CE	LYS	A	294	-9.385	-	31.380	1.00	3.48
							12.059			
ATOM	2657	NZ	LYS	A	294	-	-	32.539	1.00	4.07
						10.205	12.443			
ATOM	2658	C	LYS	A	294	-8.468	-	26.199	1.00	0.01
	2720			-			11.533			
ATOM	2659	0	LYS	A	294	-9.591	-	25.707	1.00	0.01
10011	2440						11.681			
ATOM	2660	N	GLY	A	295	-7.360	-	25.639	1.00	0.01
							11.997			
ATOM	2662	CA	GLY	Α	295	-7.391	-	24.421	1.00	0.01
10001	2662		0	L.			12.817			
ATOM	2663	C	GLY	Α	295	-6.939	-	23.182	1.00	0.01
				-			12.038			
ATOM	2664	0	GLY	A	295	-6.305		22.281	1.00	0.01
ATOM	2000	37	T X70	<u> </u>	206	7.107	12.600			
ATOM	2665	N	LYS	A	296	-7.107	10.70	23.232	1.00	0.01
ATOM	2667	CA	IVC	-	206	6.946	10.726	22.005	1.00	0.01
ATOM	2668	CA CB	LYS	A	296	-6.846	-9.849	22.085	1.00	0.01
ATOM				A	296	-7.853	-8.710	22.110	1.00	0.01
	2669	CG	LYS	A	296	-9.257	-9.233	21.840	1.00	0.01
ATOM ATOM	2670	CD	LYS	A	296	-9.341	-9.847	20.447	1.00	0.01
AIUM	2671	CE	LYS	A	296	1 -	1 -	20.138	1.00	0.00

					Г	10.746	10.345		_	г
ATOM	2672	NZ	LYS	A	296	10.746	10.343	18.773	1.00	0.01
ATOM	2072	INZ	LIS	Λ	290	10.815	10.887	10.773	1.00	0.01
ATOM	2673	С	LYS	A	296	-5.433	-9.279	22.051	1.00	0.01
ATOM	2674	0	LYS	A	296	-5.175	-8.337	21.290	1.00	0.01
ATOM	2675	N	MET	A	297	-4.504	-9.942	22,720	1.00	0.01
ATOM	2677	CA	MET	A	297	-3.123	-9.456	22.805	1.00	0.00
ATOM	2678	CB	MET	A	297	-2.353	-	23.722	1.00	0.99
							10.395		1100	0155
ATOM	2679	CG	MET	A	297	-0.922	-9.920	23.947	1.00	1.52
ATOM	2680	SD	MET	Α	297	0.150	-	24.780	1.00	1.96
							11.110			
ATOM	2681	CE	MET	A	297	-0.977	-	26.104	1.00	1.91
							11.607			
ATOM	2682	С	MET	A	297	-2.448	-9.451	21.439	1.00	0.01
ATOM	2683	0	MET	A	297	-1.946	-8.402	21.013	1.00	0.01
ATOM	2684	N	ARG	A	298	-2.725	-	20.655	1.00	0.01
							10.481			
ATOM	2686	CA	ARG	Α	298	-2.131		19.323	1.00	0.01
4.TO).	2007	on	100		200	0.104	10.573	10.001		0.00
ATOM	2687	CB	ARG	A	298	-2.184	12.020	18.874	1.00	0.22
ATOM	2688	CG	ARG	A	298	-1.429	12.028	17.567	1.00	0.84
ATOM	2000	CG	AKG	A	290	-1.429	12.245	17.307	1.00	0.64
ATOM	2689	CD	ARG	Α	298	0.040	12.243	17.695	1.00	1.21
711OM	2007	CD	ARC	Α.	296	0.040	11.853	17.093	1.00	1.21
ATOM	2690	NE	ARG	Α	298	0.759	-	16.436	1.00	1.81
111.0			11110	1	-,0	01755	12.104	10.150	1.00	1.01
ATOM	2691	CZ	ARG	A	298	1.716	-	15.959	1.00	2.42
		1					11.304			
ATOM	2692	NH1	ARG	A	298	2.319	-	14.805	1.00	3.43
							11.599			
ATOM	2693	NH2	ARG	A	298	2.068	-	16.632	1.00	2.42
							10.206			
ATOM	2694	C	ARG	A	298	-2.852	-9.676	18.318	1.00	0.01
ATOM	2695	0	ARG	A	298	-2.171	-9.052	17.497	1.00	0.01
ATOM ATOM	2696 2698	N CA	GLN	A	299 299	-4.099	-9.330	18.599	1.00	0.01
ATOM	2699		GLN	A		-4.825	-8.428	17.700	1.00	0.01
ATOM	2700	CB	GLN	A	299	-6.322 -7.083	-8.497 -7.552	17.984	1.00	0.22
ATOM	2701	CD	GLN	A	299	-8.588	-7.630	17.056	1.00	1.14
ATOM	2702	OE1	GLN	A	299	-9.099	-7.198	18.338	1.00	2.37
ATOM	2703	NE2	GLN	A	299	-9.284	-8.196	16.326	1.00	2.56
ATOM	2706	C	GLN	A	299	-4.333	-6.997	17.881	1.00	0.01
ATOM	2707	0	GLN	A	299	-4.008	-6.348	16.877	1.00	0.01
ATOM	2708	N	LEU	A	300	-3.960	-6.671	19.110	1.00	0.01
ATOM	2710	CA	LEU	Α	300	-3.388	-5.360	19.417	1.00	0.01
ATOM	2711	CB	LEU	Α	300	-3.364	-5.224	20.941	1.00	0.01
ATOM	2712	CG	LEU	A	300	-2.876	-3.865	21.444	1.00	0.01
ATOM	2713	CD1	LEU	Α	300	-3.619	-3.466	22.711	1.00	0.01
ATOM	2714	CD2	LEU	Α	300	-1.366	-3.814	21.673	1.00	0.01
ATOM	2715	С	LEU	Α	300	-1.979	-5.241	18.852	1.00	0.01
ATOM	2716	0	LEU	A	300	-1.670	-4.242	18.188	1.00	0.00
ATOM	2717	N	GLU	A	301	-1.244	-6.342	18.871	1.00	0.01
ATOM	2719	CA	GLU	A	301	0.128	-6.330	18.360	1.00	0.01
ATOM	2720	CB	GLU	A	301	0.833	-7.573	18.881	1.00	0.00
ATOM	2721	CG	GLU	A	301	0.969	-7.496	20.397	1.00	0.01
ATOM	2722	CD	GLU	A	301	1.457	-8.820	20.975	1.00	0.01

ATOM	2723	OE1	GLU	A	301	0.861	-9.838	20.645	1.00	0.01
ATOM	2724	OE2	GLU	Α	301	2.301	-8.771	21.857	1.00	0.01
ATOM	2725	C	GLU	Α	301	0.183	-6.273	16.835	1.00	0.00
ATOM	2726	0	GLU	A	301	1.031	-5.554	16.300	1.00	0.01
ATOM	2727	N	GLN	Α	302	-0.854	-6.767	16.178	1.00	0.00
ATOM	2729	CA	GLN	A	302	-0.954	-6.664	14.717	1.00	0.01
ATOM	2730	CB	GLN	A	302	-1.851	-7.793	14.233	1.00	0.25
ATOM	2731	CG	GLN	Α	302	-1.306	-9.172	14.574	1.00	0.93
ATOM	2732	CD	GLN	A	302	-2.446	10.171	14.418	1.00	1.50
ATOM	2733	OE1	GLN	Α	302	-2.265	11.388	14.534	1.00	2.23
ATOM	2734	NE2	GLN	A	302	-3.632	-9.625	14.210	1.00	1.68
ATOM	2737	C	GLN	Α	302	-1.588	-5.351	14.249	1.00	0.01
ATOM	2738	0	GLN	A	302	-1.615	-5.082	13.043	1.00	0.00
ATOM	2739	N	ALA	A	303	-2.109	-4.560	15.174	1.00	0.00
ATOM	2741	CA	ALA	Α	303	-2.790	-3.316	14.808	1.00	0.00
ATOM	2742	СВ	ALA	A	303	-4.138	-3.269	15.518	1.00	0.26
ATOM	2743	C	ALA	A	303	-1.975	-2.063	15.131	1.00	0.00
ATOM	2744	Ō	ALA	A	303	-2.486	-0.941	15.004	1.00	0.00
ATOM	2745	N	LEU	A	304	-0.737	-2.251	15.561	1.00	0.01
ATOM	2747	CA	LEU	A	304	0.133	-1.114	15.905	1.00	0.01
ATOM	2748	CB	LEU	A	304	1.343	-1.654	16.656	1.00	0.01
ATOM	2749	CG	LEU	A	304	0.954	-2.357	17.949	1.00	0.01
ATOM	2750	CD1	LEU	A	304	2.151	-3.094	18.536	1.00	0.00
ATOM	2751	CD2	LEU	A	304	0.366	-1.376	18.959	1.00	0.01
ATOM	2752	C	LEU	A	304	0.640	-0.360	14.674	1.00	0.01
ATOM	2753	0	LEU	A	304	1.621	-0.768	14.045	1.00	0.00
ATOM	2754	N	SER	A	305	-0.014	0.741	14.349	1.00	0.00
ATOM	2756	CA	SER	A	305	0.463	1.577	13.243	1.00	0.01
ATOM	2757	CB	SER	A	305	-0.707	2.019	12.371	1.00	0.42
ATOM	2758	OG	SER	A	305	-1.347	3.114	13.014	1.00	0.47
ATOM	2759	C	SER	A	305	1.161	2.818	13.779	1.00	0.00
ATOM	2760	0	SER	A	305	0.774	3.360	14.821	1.00	0.01
ATOM	2761	N	ALA	A	306	2.015	3.393	12.949	1.00	0.00
ATOM	2763	CA	ALA	A	306	2.696	4.636	13.326	1.00	0.01
ATOM	2764	CB	ALA	A	306	3.900	4.838	12.412	1.00	0.26
ATOM	2765	C	ALA	A	306	1.768	5.852	13.243	1.00	0.00
ATOM	2766	0	ALA	A	306	1.963	6.820	13.988	1.00	0.00
ATOM	2767	N	ARG	A	307	0.647	5.696	12.554	1.00	0.00
ATOM	2769	CA	ARG	A	307	-0.332	6.779	12.479	1.00	0.01
ATOM	2770	CB	ARG	A	307	-1.239	6.557	11.278	1.00	0.19
ATOM	2771	CG	ARG	A	307	-1.769	7.885	10.745	1.00	1.11
ATOM	2772	CD	ARG	A	307	-3.277	7.865	10.521	1.00	1.47
ATOM	2773	NE	ARG	A	307	-3.994	7.930	11.805	1.00	2.53
ATOM	2774	CZ	ARG	A	307	-4.809	6.974	12.255	1.00	3.45
ATOM	2775	NH1	ARG	A	307	-4.809	5.862	11.541	1.00	4.09
ATOM	2776	NH1 NH2	ARG	A	307	-5.419	7.122	13.432	1.00	4.06
ATOM	2777	C	ARG	A	307	-1.176	6.837	13.432	1.00	0.01
ATOM	2778	0	ARG	A	307	-1.176	7.931	14.297	1.00	0.00
ATOM	2779	N	THR	A	308	-1.485	5.692	14.297	1.00	0.00
ATOM		CA	THR	A	308	-2.165	5.723	15.652	1.00	0.00
	2781				308		4.376	15.652	1.00	0.00
ATOM	2782	CB	THR	A	308	-2.832 -1.837	3.361	15.929	1.00	0.18
ATOM	2783	OG1	THR	A			4.012		1.00	0.24
ATOM	2784	CG2	THR	A	308	-3.858		14.863		0.45
ATOM	2785	C	THR	A	308	-1.187	6.045	16.780	1.00	
ATOM	2786	0	THR	A	308	-1.579	6.676	17.767	1.00	0.00
ATOM	2787	N	LEU	A	309	0.093	5.852	16.514	1.00	0.01

ATOM 2789 CA LEU A 309 1.135 6.202 17.481 1.00 0.01											
ATOM 2791 CG LEU A 309 2.899 4.260 17.697 1.00 0.39 ATOM 2792 CDI LEU A 309 1.665 3.253 17.805 1.00 0.43 ATOM 2793 CD2 LEU A 309 1.304 7.714 1.7567 1.00 0.43 ATOM 2795 C LEU A 309 1.304 7.714 7.7567 1.00 0.01 ATOM 2795 O LEU A 309 1.304 7.714 7.7567 1.00 0.01 ATOM 2796 N LE A 310 1.229 8.269 18.673 1.00 0.01 ATOM 2796 N LE A 310 1.229 8.387 16.428 1.00 0.01 ATOM 2798 CA LLE A 310 1.309 9.849 16.443 1.00 0.01 ATOM 2799 CB LLE A 310 0.948 10.046 13.940 1.00 0.24 ATOM 2800 CG2 LLE A 310 0.948 10.046 13.940 1.00 0.79 ATOM 2801 CG1 LLE A 310 0.948 10.046 13.940 1.00 0.79 ATOM 2802 CD1 LLE A 310 2.720 12.350 13.842 1.00 1.93 ATOM 2802 CD1 LLE A 310 0.043 10.487 16.783 1.00 0.01 ATOM 2804 O LLE A 310 0.043 10.487 16.783 1.00 0.01 ATOM 2805 N LYS A 311 -1.107 9.702 16.703 1.00 0.01 ATOM 2808 CB LYS A 311 -3.464 9.156 16.677 1.00 0.01 ATOM 2808 CB LYS A 311 -3.464 9.156 16.677 1.00 0.01 ATOM 2801 CG LYS A 311 -3.842 8.389 16.858 1.00 0.01 ATOM 2810 CD LYS A 311 -3.842 8.389 16.858 1.00 0.01 ATOM 2810 CD LYS A 311 -3.842 8.389 16.858 1.00 0.01 ATOM 2811 CE LYS A 311 -3.842 8.389 16.806 1.00 0.01 ATOM 2811 CE LYS A 311 -3.842 8.389 16.858 1.00 0.01 ATOM 2811 CE LYS A 311 -3.842 8.389 16.858 1.00 0.01 ATOM 2815 CD LYS A 311 -3.845 9.150 1.00 0.01 ATOM 2815 CD LYS A 311 -3.846 9.150 1.00 0.01 ATOM 2810 CD LYS A 311 -3.846 9.150 1.00 0.01 ATOM 2810 CD LYS A 311 -3.846 9.150 1.00 0.01 ATOM 2810 CD LYS A 311 -3.846 9.150 1.00 0.01	ATOM	2789			Α						
ATOM 2792 CDI LEU A 309 1.665 3.253 17.805 1.00 0.43 ATOM 2794 C LEU A 309 4.007 3.630 17.001 1.00 0.47 ATOM 2795 O LEU A 309 1.304 7.714 17.567 1.00 0.01 ATOM 2796 N ILE A 309 1.259 8.269 8.267 1.00 0.01 ATOM 2796 N ILE A 310 1.224 8.387 16.428 1.00 0.01 ATOM 2797 C ILE A 310 1.872 10.353 15.112 1.00 0.01 ATOM 2799 CB ILE A 310 1.872 10.353 15.112 1.00 0.02 ATOM 2800 CG2 ILE A 310 0.948 10.046 13.940 1.00 0.07 ATOM 2801 CG1 ILE A 310 0.948 10.046 13.940 1.00 0.07 ATOM 2802 CD1 ILE A 310 0.948 10.046 13.940 1.00 0.07 ATOM 2803 C ILE A 310 0.043 10.487 16.783 1.00 1.03 ATOM 2803 C ILE A 310 0.043 10.487 16.783 1.00 0.01 ATOM 2805 N LYS A 311 -1.107 9.702 16.703 1.00 0.01 ATOM 2805 N LYS A 311 -2.419 10.150 17.164 1.00 0.01 ATOM 2807 CA LYS A 311 -2.419 10.150 17.164 1.00 0.01 ATOM 2808 CB LYS A 311 -3.464 9.156 16.677 1.00 0.01 ATOM 2809 CG LYS A 311 -3.464 9.156 16.677 1.00 0.01 ATOM 2810 CD LYS A 311 -3.464 9.156 16.677 1.00 0.01 ATOM 2811 CE LYS A 311 -7.228 8.691 17.414 1.00 0.00 ATOM 2812 NZ LYS A 311 -7.228 8.691 17.414 1.00 0.00 ATOM 2814 O LYS A 311 -5.166 7.606 17.087 1.00 0.01 ATOM 2815 N TRP A 312 -1.702 7.784 12.91 1.00 0.01 ATOM 2817 CA TRP A 312 -1.702 7.784 12.91 1.00 0.01 ATOM 2818 C LYS A 311 -5.166 7.606 17.087 1.00 0.01 ATOM 2817 CA TRP A 312 -1.702 7.784 1.291 1.00 0.02 ATOM 2820 CD TRP A 312 -3.058 5.824 20.281 1.00 0.01 ATOM 2831 C TRP A 312 -3.058 5.824 20.281	ATOM	2790	CB	LEU	A	309	2.444	5.577	17.012	1.00	0.17
ATOM 2793 CD2 LEU A 309 4.007 3.630 17.001 1.00 0.047 ATOM 2795 O LEU A 309 1.304 7.714 17.567 1.00 0.01 ATOM 2795 O LEU A 309 1.259 8.269 18.673 1.00 0.01 ATOM 2796 N LLE A 310 1.224 8.387 16.428 1.00 0.01 ATOM 2798 CA LLE A 310 1.224 8.387 16.428 1.00 0.01 ATOM 2798 CA LLE A 310 1.309 8.49 16.443 1.00 0.01 ATOM 2799 CB LLE A 310 1.872 10.353 15.112 1.00 0.24 ATOM 2800 CG2 LLE A 310 0.948 10.046 13.940 1.00 0.079 ATOM 2801 CG1 LLE A 310 2.160 11.849 15.168 1.00 1.18 ATOM 2802 CD1 LLE A 310 2.720 12.350 13.422 1.00 1.93 ATOM 2803 C LLE A 310 0.043 10.487 16.783 1.00 0.01 ATOM 2804 O LLE A 310 0.0043 10.487 16.783 1.00 0.01 ATOM 2805 N LYS A 311 -1.107 9.702 16.703 1.00 0.01 ATOM 2806 CG LYS A 311 -3.464 9.156 16.677 1.00 0.01 ATOM 2809 CG LYS A 311 -3.464 9.156 16.677 1.00 0.01 ATOM 2809 CG LYS A 311 -3.464 9.156 16.677 1.00 0.01 ATOM 2810 CD LYS A 311 -3.465 9.489 17.209 1.00 0.01 ATOM 2811 CE LYS A 311 -2.452 1.00 1.00 0.01 ATOM 2812 NZ LYS A 311 -2.452 1.00 1.00 0.01 ATOM 2814 O LYS A 311 -2.452 1.00 1.00 0.01 ATOM 2815 N TRP A 312 -1.911 9.206 19.329 1.00 0.01 ATOM 2818 CB TRP A 312 -1.911 9.206 19.329 1.00 0.01 ATOM 2818 CB TRP A 312 -1.914 9.206 19.329 1.00 0.01 ATOM 2819 CG TRP A 312 -1.924 1.099 2.088 1.00 0.01 ATOM 2820 CD1 TRP A 312 -1.939 1.009 0.01 ATOM 2821 NEI TRP A 312 -1.025 0.090 2.158 1.00 0.01 ATOM 2822 CD TRP A 312 -1.025 0.090 2.158 1.00 0.01 ATOM 2834 CB S	ATOM	2791	CG	LEU	Α	309	2.809	4.260	17.697	1.00	0.39
ATOM 2794 CC LEU A 309 4.007 3.630 17.001 1.00 0.047	ATOM	2792	CD1	LEU	A	309	1.665	3.253	17.805	1.00	0.43
ATOM 2794 C LEU A 309 1.304 7.714 17.567 1.00 0.01 ATOM 2795 O LEU A 309 1.259 8.269 18.673 1.00 0.01 ATOM 2796 N ILE A 310 1.224 8.387 16.428 1.00 0.01 ATOM 2798 CA ILE A 310 1.309 9.849 16.443 1.00 0.01 ATOM 2799 CB ILE A 310 1.309 9.849 16.443 1.00 0.01 ATOM 2800 CG2 ILE A 310 0.948 10.046 13.940 1.00 0.79 ATOM 2801 CG1 ILE A 310 0.948 10.046 13.940 1.00 0.79 ATOM 2802 CD1 ILE A 310 2.160 11.849 15.168 1.00 1.18 ATOM 2803 C ILE A 310 0.043 10.487 16.783 1.00 0.01 ATOM 2803 C ILE A 310 0.043 10.487 16.783 1.00 0.01 ATOM 2805 N LYS A 311 -1.107 9.702 16.703 1.00 0.01 ATOM 2805 N LYS A 311 -2.419 10.150 17.164 1.00 0.01 ATOM 2808 CB LYS A 311 -3.464 9.156 16.677 1.00 0.01 ATOM 2809 CG LYS A 311 -3.464 9.156 16.677 1.00 0.01 ATOM 2810 CD LYS A 311 -3.464 9.156 16.677 1.00 0.01 ATOM 2810 CD LYS A 311 -3.842 8.389 16.858 1.00 0.01 ATOM 2811 CE LYS A 311 -3.456 9.489 17.209 1.00 0.01 ATOM 2812 NZ LYS A 311 -2.452 10.227 18.686 1.00 0.01 ATOM 2814 O LYS A 311 -2.452 10.227 18.686 1.00 0.01 ATOM 2817 CA TRP A 312 -1.911 9.206 9.329 1.00 0.01 ATOM 2817 CA TRP A 312 -1.911 9.206 9.329 1.00 0.01 ATOM 2818 CB TRP A 312 -1.911 9.206 9.329 1.00 0.01 ATOM 2817 CA TRP A 312 -1.927 1.335 1.00 1.00 0.01 ATOM 2818 CB TRP A 312 -3.688 8.027 2.2258 1.00 0.01 ATOM 2820 CD TRP A 312 -3.688 8.027 2.2258 1.00 0.01 ATOM 2821 NET TRP A 312 -3.058 5.824 2.0281 1.00 0.01 ATOM 2823 CE TRP A 312 -3.058 5.824 2	ATOM	2793	CD2	LEU	Α	309	4.007	3.630	17.001	1.00	0.47
ATOM 2795 O			С			309		7.714	17.567	1.00	0.01
ATOM 2798 N ILE										1.00	0.01
ATOM 2798 CA											
ATOM 2799 CB ILE A 310 1.872 10.353 15.112 1.00 0.24 ATOM 2800 CG2 ILE A 310 0.948 10.046 31.940 1.00 0.79 ATOM 2801 CG1 ILE A 310 2.160 11.849 15.168 1.00 1.18 ATOM 2802 CD1 ILE A 310 2.720 12.350 13.842 1.00 1.93 ATOM 2803 C ILE A 310 0.043 10.487 16.783 1.00 0.01 ATOM 2804 O ILE A 310 0.070 11.594 17.336 1.00 0.01 ATOM 2805 N LYS A 311 -1.107 9.702 16.703 1.00 0.01 ATOM 2807 CA LYS A 311 -2.419 10.150 17.164 1.00 0.01 ATOM 2808 CB LYS A 311 -3.464 9.156 16.677 1.00 0.01 ATOM 2809 CG LYS A 311 -3.464 9.156 16.677 1.00 0.01 ATOM 2810 CD LYS A 311 -5.842 8.389 16.858 1.00 0.01 ATOM 2811 CE LYS A 311 -5.842 8.389 16.858 1.00 0.01 ATOM 2812 NZ LYS A 311 -2.452 10.227 18.686 1.00 0.01 ATOM 2814 O LYS A 311 -2.452 10.227 18.686 1.00 0.01 ATOM 2813 C LYS A 311 -2.452 10.227 18.686 1.00 0.01 ATOM 2814 O LYS A 311 -2.452 10.227 18.686 1.00 0.01 ATOM 2815 N TRP A 312 -1.911 9.206 19.329 1.00 0.01 ATOM 2817 CA TRP A 312 -1.911 9.206 19.329 1.00 0.01 ATOM 2818 CB TRP A 312 -1.924 1.09 2.03 ATOM 2820 CD1 TRP A 312 -1.938 5.842 20.281 1.00 2.03 ATOM 2821 NEI TRP A 312 -1.938 3.842 20.281 1.00 2.03 ATOM 2820 CD1 TRP A 312 -1.702 7.784 21.291 1.00 0.05 ATOM 2821 NEI TRP A 312 -1.702 7.784 21.291 1.00 0.05 ATOM 2821 NEI TRP A 312 -1.938 1.00 0.01 ATOM 2823 CE2 TRP A 312 -1.939 1.008 0.01 ATOM 2824 CZ2 TRP A 312 -1.939 1.009 0.01 ATOM 2825 CR TRP A 312 -1.939 1.009 0.01 ATOM 2826 CZ3 TRP A 312 -1.939 1.009 0.01 ATOM 2837 O SER A 313											
ATOM 2800 CG2 ILE											
ATOM 2801 CG1 ILE											
ATOM 2802 CD1 ILE											
ATOM 2803 C ILE											
ATOM 2804 O ILE											
ATOM 2805 N											
ATOM 2807 CA											
ATOM 2808 CB											
ATOM 2809 CG											
ATOM 2810 CD											
ATOM 2811 CE											
ATOM 2812 NZ											
ATOM 2813 C											
ATOM 2814 O											
ATOM 2815 N											
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ATOM 2834 CB SER A 313 2.560 11.069 20.190 1.00 0.24 ATOM 2835 OG SER A 313 2.342 11.501 18.857 1.00 0.22 ATOM 2836 C SER A 313 2.342 11.501 18.857 1.00 0.22 ATOM 2837 O SER A 313 1.640 13.656 21.290 1.00 0.01 ATOM 2838 N HIS A 314 -0.245 13.105 20.200 1.00 0.01 ATOM 2840 CA HIS A 314 -0.228 14.488 20.258 1.00 0.01 ATOM 2841 CB HIS A 314 -0.728 14.488 20.258 1.00 0.01 ATOM 2842 CG HIS A 314 -2.195 14.499 18.103 1.00 0.18 ATOM 2843 NDI HIS A 314 -2.128 13.688 17.033 1.00 0.25 ATOM 2845 CEI HIS A 314 -2.128 13.688 17.033 1.00 0.25 ATOM 2846 NE2 HIS A 314 -3.375 13.404 16.607 1.00 0.30 ATOM 2847 CD2 HIS A 314 -4.242 14.049 17.420 1.00 0.28 ATOM 2848 C HIS A 314 -4.242 14.049 17.420 1.00 0.28 ATOM 2848 C HIS A 314 -3.350 14.737 18.340 1.00 0.02 ATOM 2848 C HIS A 314 -2.450 15.700 21.411 1.00 0.01 ATOM 2850 N SER A 315 -3.602 13.466 21.603 1.00 0.01 ATOM 2852 CA SER A 315 -3.602 13.466 21.603 1.00 0.01 ATOM 2853 CB SER A 315 -3.602 13.466 22.521 1.00 0.00 ATOM 2853 CB SER A 315 -3.602 13.466 22.521 1.00 0.00	ATOM	2831	N	SER		313		10.390	20.534	1.00	0.00
ATOM 2834 CB SER A 313 2.560 11.069 20.190 1.00 0.24	ATOM	2833	CA	SER	Α	313	1.279	11.321	20.976	1.00	0.00
ATOM 2836 C SER A 313 0.882 12.796 20.830 1.00 0.01 ATOM 2837 O SER A 313 1.640 13.656 21.290 1.00 0.00 ATOM 2838 N HIS A 314 -0.245 13.105 20.200 1.00 0.01 ATOM 2840 CA HIS A 314 -0.728 14.488 20.258 1.00 0.01 ATOM 2841 CB HIS A 314 -0.728 14.488 20.258 1.00 0.01 ATOM 2841 CB HIS A 314 -1.012 15.063 18.869 1.00 0.13 ATOM 2842 CG HIS A 314 -2.195 14.499 18.103 1.00 0.15 ATOM 2843 NDI HIS A 314 -2.128 13.688 17.033 1.00 0.25 ATOM 2845 CEI HIS A 314 -2.128 13.648 17.033 1.00 0.25 ATOM 2846 NE2 HIS A 314 -3.375 13.404 16.607 1.00 0.30 ATOM 2847 CD2 HIS A 314 -4.242 14.049 17.420 1.00 0.28 ATOM 2848 C HIS A 314 -4.242 14.049 17.420 1.00 0.02 ATOM 2849 C HIS A 314 -1.958 14.594 21.154 1.00 0.01 ATOM 2850 N SER A 315 -2.462 13.456 21.603 1.00 0.01 ATOM 2850 CA SER A 315 -3.602 13.466 22.521 1.00 0.00 ATOM 2853 CB SER A 315 -3.602 13.465 22.621 1.00 0.00 ATOM 2853 CB SER A 315 -3.602 13.466 22.521 1.00 0.00 ATOM 2853 CB SER A 315 -3.602 13.466 22.521 1.00 0.00 ATOM 2853 CB SER A 315 -3.602 13.466 22.521 1.00 1.00	ATOM	2834	CB	SER	Α	313		11.069	20.190	1.00	0.24
ATOM 2837 O SER A 313 1.640 13.656 21.290 1.00 0.00 ATOM 2840 CA HIS A 314 -0.245 13.105 20.200 1.00 0.01 ATOM 2840 CA HIS A 314 -0.728 14.488 20.258 1.00 0.01 ATOM 2841 CB HIS A 314 -1.012 15.063 18.869 1.00 0.13 ATOM 2842 CG HIS A 314 -2.128 13.688 17.033 1.00 0.13 ATOM 2843 ND1 HIS A 314 -2.128 13.688 17.033 1.00 0.25 ATOM 2845 CE1 HIS A 314 -2.128 13.688 17.033 1.00 0.25 ATOM 2846 NE2 HIS A 314 -3.375 13.404 16.607 1.00 0.28 ATOM 2847 CD2 HIS A 314 -3.530 14.737 18.340 1.00 0.22 ATOM 2848 C HIS A 314 -3.530 14.737 18.340 1.00 0.22 ATOM 2849 O HIS A 314 -1.958 14.594 21.154 1.00 0.01 ATOM 2850 N SER A 315 -2.462 13.456 21.603 1.00 0.01 ATOM 2852 CA SER A 315 -3.602 13.466 22.521 1.00 0.00 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.01 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB	ATOM	2835	OG	SER	A	313	2.342	11.501	18.857	1.00	0.20
ATOM 2838 N	ATOM	2836	С	SER	Α	313	0.882	12.796	20.830	1.00	0.01
ATOM 2840 CA HIS A 314 -0.728 14.488 20.258 1.00 0.01 ATOM 2841 CB HIS A 314 -1.012 15.063 18.869 1.00 0.13 ATOM 2842 CG HIS A 314 -2.195 14.499 18.103 1.00 0.18 ATOM 2843 ND1 HIS A 314 -2.128 13.688 17.033 1.00 0.25 ATOM 2845 CE1 HIS A 314 -3.375 13.404 16.607 1.00 0.32 ATOM 2846 NE2 HIS A 314 -3.375 13.404 16.607 1.00 0.32 ATOM 2847 CD2 HIS A 314 -3.530 14.737 18.340 1.00 0.22 ATOM 2848 C HIS A 314 -1.958 14.594 21.154 1.00 0.01 ATOM 2849 O HIS A 314 -2.450 15.700 21.411 1.00 0.01 ATOM 2850 N SER A 315 -2.462 13.456 21.603 1.00 0.01 ATOM 2852 CA SER A 315 -3.602 13.466 22.521 1.00 0.00 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28.528 28	ATOM	2837	0	SER	A	313	1.640	13.656	21.290	1.00	0.00
ATOM 2841 CB HIS A 314 -1.012 15.063 18.869 1.00 0.13 ATOM 2842 CG HIS A 314 -2.195 14.499 18.103 1.00 0.18 ATOM 2843 ND1 HIS A 314 -2.128 13.688 17.033 1.00 0.25 ATOM 2845 CE1 HIS A 314 -3.375 13.404 16.607 1.00 0.25 ATOM 2846 NE2 HIS A 314 -3.375 13.404 16.607 1.00 0.25 ATOM 2847 CD2 HIS A 314 -3.530 14.737 18.340 1.00 0.22 ATOM 2848 C HIS A 314 -3.530 14.737 18.340 1.00 0.01 ATOM 2849 O HIS A 314 -1.958 14.594 21.154 1.00 0.01 ATOM 2850 N SER A 315 -2.462 13.456 21.603 1.00 0.01 ATOM 2852 CA SER A 315 -3.602 13.466 22.521 1.00 0.00 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.01 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.01 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14 ATOM 2853 C	ATOM	2838	N	HIS	Α	314	-0.245	13.105	20.200	1.00	0.01
ATOM 2841 CB HIS A 314 -1.012 15.063 18.869 1.00 0.13	ATOM	2840	CA	HIS	Α	314	-0.728	14.488	20.258	1.00	0.01
ATOM 2843 ND1 HIS A 314 -2,128 13,688 17,033 1,00 0,25 ATOM 2845 CE1 HIS A 314 -3,375 13,404 16,607 1,00 0,32 ATOM 2846 NE2 HIS A 314 -4,242 14,049 17,420 1,00 0,28 ATOM 2847 CD2 HIS A 314 -3,530 14,737 18,340 1,00 0,02 ATOM 2848 C HIS A 314 -1,958 14,594 21,154 1,00 0,01 ATOM 2849 O HIS A 314 -2,450 15,700 21,411 1,00 0,01 ATOM 2850 N SER A 315 -2,462 13,456 21,603 1,00 0,01 ATOM 2852 CA SER A 315 -3,602 13,466 22,521 1,00 0,00 ATOM 2853 CB SER A 315 -4,209 12,075 22,626 1,00 1,01 ATOM 2853 CB SER A 315 -4,209 12,075 22,626 1,00 1,01 ATOM 2853 CB SER A 315 -4,209 12,075 22,626 1,00 1,01 ATOM 2853 CB SER A 315 -4,209 12,075 22,626 1,00 1,01 ATOM 2853 CB SER A 315 -4,209 12,075 22,626 1,00 1,14 ATOM 2853 CB SER A 315 -4,209 12,075 22,626 1,00 1,14 ATOM 2853 CB SER A 315 -4,209 12,075 22,626 1,00 1,14 ATOM 2853 CB SER A 315 -4,209 12,075 22,626 1,00 1,14 ATOM 2853 CB SER A 315 -4,209 12,075 22,626 1,00 1,14 ATOM 2853 CB SER A 315 -4,209 12,075 24,626 1,00 1,00 ATOM 2853 CB SER A 315 -4,209 12,075 24,626 1,00 1,00 ATOM 2854 CE1 C	ATOM	2841	CB	HIS	Α	314	-1.012	15.063	18.869		0.13
ATOM 2845 CE1 HIS A 314 -3.375 13.404 16.607 1.00 0.30 ATOM 2846 NE2 HIS A 314 -4.242 14.049 17.420 1.00 0.28 ATOM 2847 CD2 HIS A 314 -4.242 14.049 17.420 1.00 0.22 ATOM 2848 C HIS A 314 -1.958 14.594 21.154 1.00 0.01 ATOM 2849 O HIS A 314 -1.958 14.594 21.154 1.00 0.01 ATOM 2850 N SER A 315 -2.462 13.456 21.603 1.00 0.01 ATOM 2852 CA SER A 315 -3.602 13.466 22.521 1.00 0.00 ATOM 2853 CB SER A 315 -3.602 13.466 22.521 1.00 0.00 ATOM 2853 CB SER A 315 -3.602 13.466 22.521 1.00 0.00 ATOM 2853 CB SER A 315 -3.602 13.466 22.521 1.00 0.01 ATOM 2853 CB SER A 315 -3.602 13.466 22.521 1.00 0.01 ATOM 2853 CB SER A 315 -3.602 13.466 22.521 1.00 0.01 ATOM 2853 CB SER A 315 -3.602 13.466 22.521 1.00 0.01 ATOM 2853 CB SER A 315 -3.602 13.466 22.521 1.00 0.01 ATOM 2853 CB SER A 315 -3.602 13.466 22.621 1.00 0.14 ATOM 2853 CB SER A 315 -3.602 13.466 22.621 1.00 0.01 ATOM 2853 CB SER A 315 -3.602 13.466 22.621 1.00 0.01 ATOM 2853 CB SER A 315 -3.602 13.466 22.621 1.00 0.01 ATOM 2853 CB SER A 315 -3.602 13.466 22.621 1.00 0.01 ATOM 2853 CB SER A 315 -3.602 13.466 22.603 1.00 0.01 ATOM 2853 CB SER A 315 -3.602 13.466 22.603 1.00 0.01 ATOM 2853 CB SER A 315 -3.602 13.466 22.603 1.00 0.01 ATOM 2853 CB SER A 315 -3.602 13.466 22.603 1.00 0.01 ATOM 2853 CB SER A 315 -3.602 13.466 22.603 1.00 0.01 ATOM 2853 CB SER A 315 -3.602 13.466 22.603 1.00 0.01 ATOM 2853 CB SER A 315 -3.602 13.466 22.603 1.00 0.01 ATOM 2853 CB	ATOM	2842	CG	HIS	Α	314	-2.195	14.499	18.103	1.00	0.18
ATOM 2846 NE2 HIS A 314 -4.242 14.049 17.420 1.00 0.28 ATOM 2847 CD2 HIS A 314 -3.530 14.737 18.340 1.00 0.02 ATOM 2848 C HIS A 314 -1.958 14.594 21.154 1.00 0.01 ATOM 2849 O HIS A 314 -2.450 15.700 21.411 1.00 0.01 ATOM 2850 N SER A 315 -2.462 13.456 21.603 1.00 0.01 ATOM 2852 CA SER A 315 -3.602 13.466 22.521 1.00 0.00 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.01	ATOM	2843	ND1	HIS	A	314	-2.128	13.688	17.033	1.00	0.25
ATOM 2847 CD2 HIS A 314 -3.530 14.737 18.340 1.00 0.22					A	314					
ATOM 2848 C HIS A 314 -1.958 14.594 21.154 1.00 0.01 ATOM 2849 O HIS A 314 -2.450 15.700 21.411 1.00 0.01 ATOM 2850 N SER A 315 -2.462 13.456 21.603 1.00 0.01 ATOM 2852 CA SER A 315 -3.602 13.466 22.521 1.00 0.00 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.146 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.146 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.146 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.146 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.146 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.146 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.146 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.146 ATOM 2850 CR SER A 315 -4.209 12.075 22.626 1.00 1.146 ATOM 2850 CR SER A 315 -4.209 12.075 22.626 1.00 1.00 ATOM 2850 CR SER A 315 -4.209 12.075 22.626 1.00 1.00 ATOM 2850 CR SER A 315 -4.209 12.075 22.626 1.00 1.00 ATOM 2850 CR SER A 315 -4.209 12.075 22.626 1.00 1.00 ATOM 2850 CR SER A 315 -4.209 12.075 22.626 1.00 1.00 ATOM 2850 CR SER A 315 -4.209 12.075 22.626 1.00 1.00 ATOM 2850 CR SER A 315 -4.209 12.075 22.626 1.00 1.00 ATOM 2850 CR SER A 315 -4.209 12.075 22.626 1.00 1.00 ATOM 2850 CR SER A 315 -4.209 12.075 22.626 1.00 1.00 ATOM 2850 CR SER A 315 -4.209 12.075 22.626 1.00 1.00 ATOM 2850 CR SER A 315 -4.209 12.075 22.626 1.00 1.00 ATOM 2850 CR SER A 315 -4.209 12.075 22.626 1.00 1.00 ATOM 2850 CR A 315 -4.209 12.075 22.626 1.00 1.00 ATOM 2850 CR											
ATOM 2849 O HIS A 314 -2.450 15.700 21.411 1.00 0.01 ATOM 2850 N SER A 315 -2.462 13.456 21.603 1.00 0.01 ATOM 2852 CA SER A 315 -3.602 13.466 22.521 1.00 0.00 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14											
ATOM 2850 N SER A 315 -2.462 13.456 21.603 1.00 0.01 ATOM 2852 CA SER A 315 -3.602 13.466 22.521 1.00 0.00 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14											
ATOM 2852 CA SER A 315 -3.602 13.466 22.521 1.00 0.00 ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14											
ATOM 2853 CB SER A 315 -4.209 12.075 22.626 1.00 1.14											
ATOM 2854 OG SER A 315 -5.144 12.131 23.697 1.00 0.90											
	ATOM	2854	OG	SER	Α	315	-5.144	12.131	23.697	1.00	0.90

ATOM	2855	C	SER	A	315	-3.187	13.914	23.912	1.00	0.01
ATOM	2856	0	SER	Α	315	-2.451	13.230	24.629	1.00	0.01
ATOM	2857	N	LEU	Α	316	-3.759	15.029	24,321	1.00	0.00
ATOM	2859	CA	LEU	A	316	-3.489	15.563	25.654	1.00	0.01
ATOM	2860	CB	LEU		316	-3.311	17.071	25.509	1.00	0.88
				A		-2.537			1.00	2.18
ATOM	2861	CG	LEU	A	316		17.664	26.682		
ATOM	2862	CD1	LEU	A	316	-1.203	16.939	26.876	1.00	2.44
ATOM	2863	CD2	LEU	Α	316	-2.336	19.167	26.493	1.00	3.16
ATOM	2864	C	LEU	A	316	-4.621	15.225	26.633	1.00	0.01
ATOM	2865	0	LEU	A	316	-4.649	15.755	27.750	1.00	0.01
ATOM	2866	N	GLN	A	317	-5.507	14.318	26.241	1.00	0.01
ATOM	2868	CA	GLN	A	317	-6.718	14.058	27.030	1.00	0.00
ATOM	2869	CB	GLN	A	317	-7.740	13.326	26.166	1.00	0.55
ATOM	2870	CG	GLN	A	317	-9.095	13.217	26.866	1.00	1.06
ATOM	2871	CD	GLN	A	317	-9.686	14.609	27.104	1.00	1.59
ATOM			GLN		317	-9.231	15.360	27.104	1.00	2.10
	2872	OE1		A			14.947		1.00	2.07
ATOM	2873	NE2	GLN	A	317	-	14.947	26.304	1.00	2.07
		_		L		10.682		-000		
ATOM	2876	С	GLN	A	317	-6.428	13.248	28.288	1.00	0.01
ATOM	2877	0	GLN	A	317	-6.204	12.030	28.245	1.00	0.01
ATOM	2878	N	LYS	A	318	-6.423	13.963	29.397	1.00	0.01
ATOM	2880	CA	LYS	A	318	-6.161	13.376	30.708	1.00	0.00
ATOM	2881	CB	LYS	A	318	-5.293	14.346	31.495	1.00	0.64
ATOM	2882	CG	LYS	Α	318	-3.944	14.570	30.825	1.00	1.38
ATOM	2883	CD	LYS	A	318	-3.065	15.477	31.674	1.00	1.55
ATOM	2884	CE	LYS	A	318	-1.700	15.689	31.033	1.00	2.51
ATOM	2885	NZ	LYS	A	318	-0.837	16.502	31.905	1.00	3.10
ATOM	2886	C	LYS	A	318	-7.452	13.143	31.474	1.00	0.02
		0							1.00	
ATOM	2887		LYS	A	318	-8.345	13.997	31.492		0.01
ATOM	2888	N	ARG	Α	319	-7.552	11.986	32.098	1.00	0.02
ATOM	2890	CA	ARG	A	319	-8.712	11.728	32.945	1.00	0.01
ATOM	2891	CB	ARG	A	319	-9.810	11.008	32.171	1.00	0.01
ATOM	2892	CG	ARG	A	319	-9.397	9.697	31.517	1.00	0.00
ATOM	2893	CD	ARG	A	319	-	9.150	30.774	1.00	0.00
						10.610				
ATOM	2894	NE	ARG	A	319	-	7.878	30.088	1.00	0.02
						10.350				
ATOM	2895	CZ	ARG	A	319	-	7.547	28.950	1.00	0.01
1110	20,5	102	1210	**	1	10.965	11.517	20.550	1100	0.01
ATOM	2896	NH1	ARG	Α	319	10.703	8.423	28.352	1.00	0.01
ATOM	2090	14111	ARG	ΙΛ.	313	11.774	0.423	20.332	1.00	0.01
ATOM	2897	NH2	ARG	A	319		6.365	28.378	1.00	0.01
ATOM	2097	INTIZ	ARG	A.	319	10.727	0.303	20.370	1.00	0.01
1.001.6	2000		100	-	210		10.000	24.021	1.00	0.00
ATOM	2898	С	ARG	A	319	-8.346	10.999	34.231	1.00	0.02
ATOM	2899	0	ARG	A	319	-7.237	10.488	34.422	1.00	0.01
ATOM	2900	N	TRP	A	320	-9.294	11.068	35.145	1.00	0.02
ATOM	2902	CA	TRP	A	320	-9.134	10.543	36.499	1.00	0.01
ATOM	2903	CB	TRP	A	320	-	11.177	37.346	1.00	2.46
						10.232				
ATOM	2904	CG	TRP	A	320	-	12.649	37.031	1.00	3.22
						10.407				1
ATOM	2905	CD1	TRP	A	320	-9.571	13.677	37.406	1.00	4.15
ATOM	2906	NE1	TRP	A	320	-	14.835	36.887	1.00	4.95
			1	1	1 520	10.048	1	50.007	1	
ATOM	2908	CE2	TRP	A	320	-	14.620	36.167	1.00	4.71
ATOM	2700	CLZ	1100	Ι Δ	1 320	11.170	17.020	50.107	1.00	7.71
ATOM	2909	CZ2	TRP	A	320	- 11.170	15.453	35.399	1.00	5.57
ATOM	2303	\ \Z_2	TIC	1	320	11.968	15.455	33.333	1.00	3.51
1	1	1	1	1	1	11.700	1	1	1	1

A'	том	2910	CH2	TRP	A	320	13.083	14.932	34.750	1.00	5.51
A'	ТОМ	2911	CZ3	TRP	A	320	-	13.580	34.861	1.00	4.74
A'	том	2912	CE3	TRP	A	320	13.393	12.736	35.613	1.00	3.74
							12.587				
A'	TOM	2913	CD2	TRP	A	320	11.471	13.253	36.260	1.00	3.68
A'	TOM	2914	C	TRP	A	320	-9.278	9.032	36.489	1.00	0.00
A'	TOM	2915	0	TRP	Α	320	-	8.506	36.190	1.00	0.00
							10.354				
	TOM	2916	N	ILE	A	321	-8.172	8.350	36.720	1.00	0.01
	TOM	2918	CA	ILE	A	321	-8.166	6.881	36.726	1.00	0.00
	TOM	2919	CB	ILE	Α	321	-7.656	6.390	35.378	1.00	0.72
	TOM	2920	CG2	ILE	Α	321	-8.752	6.400	34.315	1.00	1.67
A'	TOM	2921	CG1	ILE	Α	321	-6.452	7.206	34.930	1.00	1.15
	TOM	2922	CD1	ILE	Α	321	-5.986	6.773	33.549	1.00	1.60
A'	TOM	2923	C	ILE	Α	321	-7.317	6.306	37.857	1.00	0.02
A'	TOM	2924	0	ILE	Α	321	-6.287	6.869	38.249	1.00	0.00
A'	TOM	2925	N	GLU	A	322	-7.732	5.140	38.323	1.00	0.01
A'	TOM	2927	CA	GLU	A	322	-7.086	4.466	39.461	1.00	0.02
A'	TOM	2928	CB	GLU	Α	322	-8.198	3.733	40.205	1.00	0.75
A'	TOM	2929	CG	GLU	Α	322	-7.735	3.098	41.508	1.00	1.32
	том	2930	CD	GLU	A	322	-8.891	2.309	42.108	1.00	1.58
	TOM	2931	OE1	GLU	A	322	-8.813	1.994	43.287	1.00	1.93
	TOM	2932	OE2	GLU	A	322	-9.859	2.086	41.392	1.00	1.79
	TOM	2933	C	GLU	Ā	322	-6.012	3.474	38.997	1.00	0.02
	TOM	2934	0	GLU	A	322	-6.201	2.254	39.077	1.00	0.02
	TOM	2935	N	VAL	A	323	-4.871	4.007	38.597	1.00	0.00
	TOM	2937	CA	VAL	A	323	-3.819	3.209	37.952	1.00	0.00
	TOM	2938	CB	VAL	A	323	-2.852	4.200	37.307	1.00	0.58
	TOM	2939	CG1	VAL	A	323	-1.511	3.597	36.913	1.00	1.12
	TOM	2940	CG2	VAL	A	323	-3.507	4.860	36.104	1.00	1.30
	TOM	2941	C	VAL	A	323	-3.095	2.236	38.885	1.00	0.02
	TOM	2942	o	VAL	A	323	-2.768	2.554	40.038	1.00	0.02
	TOM	2943	N	PHE	A	324	-2.997	1.007	38.396	1.00	0.02
	TOM	2945	CA	PHE	A	324	-2.221	-0.061	39.037	1.00	0.02
	TOM	2946	CB	PHE	A	324	-3.167	-1.200	39.409	1.00	0.02
	TOM	2947	CG	PHE	A	324	-4.225	-0.894	40.461	1.00	
	TOM	2948	CD1	PHE	A	324	-3.850	-0.696	41.783	1.00	0.66 1.33
	TOM	2949	CE1	PHE	A	324	-4.815	-0.432	42.745	1.00	
	TOM	2949	CZ	PHE	A	324	-6.155	-0.432	42.745	1.00	2.10
	TOM	2951	CE2	PHE	A	324	-6.133	-0.571	42.387	1.00	1.95
	TOM	2951									
	TOM	2952	CD2	PHE	A	324	-5.566	-0.837	40.103	1.00	1.28
	TOM	2953	0	PHE	A	324 324	-1.190 -1.516	-0.636 -1.572	38.063	1.00	0.01
									37.320	1.00	0.00
	TOM	2955	N	ILE	A	325	0.034	-0.128	38.092	1.00	0.01
	TOM	2957	CA	ILE	A	325	1.088	-0.642	37.188	1.00	0.02
	TOM	2958	CB	ILE	A	325	1.659	0.527	36.379	1.00	0.42
	TOM	2959	CG2	ILE	A	325	2.869	0.119	35.543	1.00	0.61
	TOM	2960	CG1	ILE	A	325	0.598	1.123	35.468	1.00	0.74
	TOM	2961	CD1	ILE	A	325	1.195	2.203	34.575	1.00	1.12
	TOM	2962	C	ILE	A	325	2.209	-1.345	37.961	1.00	0.02
	TOM	2963	0	ILE	A	325	2.764	-0.770	38.901	1.00	0.01
	TOM	2964	N	PRO	A	326	2.521	-2.577	37.588	1.00	0.00
	TOM	2965	CA	PRO	Α	326	3.556	-3.351	38.287	1.00	0.02
	TOM	2966	CB	PRO	A	326	3.580	-4.687	37.615	1.00	0.02
LA'	TOM	2967	CG	PRO	A	326	2.546	-4.703	36.502	1.00	0.00

ATOM 2969 CD PRO A 326 1.890 -3.333 36.507 1.00 0.02 ATOM 2970 O PRO A 326 5.296 -1.981 37.309 1.00 0.02 ATOM 2971 N ARG A 327 5.646 -1.881 37.309 1.00 0.02 ATOM 2973 CA ARG A 327 5.646 -1.881 37.309 1.00 0.02 ATOM 2973 CA ARG A 327 5.646 -1.881 37.309 1.00 0.02 ATOM 2973 CA ARG A 327 5.646 -1.881 37.309 1.00 0.02 ATOM 2973 CB ARG A 327 7.056 -1.674 40.929 1.00 0.43 ATOM 2975 CG ARG A 327 38.383 -0.959 41.131 1.00 1.22 ATOM 2976 CD ARG A 327 8.383 -0.959 41.131 1.00 1.22 ATOM 2976 CD ARG A 327 8.383 -0.959 41.131 1.00 1.26 ATOM 2977 NE ARG A 327 19.575 -0.253 43.151 1.00 2.68 ATOM 2978 CZ ARG A 327 10.975 -0.253 43.151 1.00 2.68 ATOM 2979 NH1 ARG A 327 11.008 -1.517 43.581 1.00 2.68 ATOM 2980 NH2 ARG A 327 11.008 -1.517 43.581 1.00 2.68 ATOM 2981 C ARG A 327 8.077 3.316 39.398 1.00 0.02 ATOM 2983 N PHE A 328 8.933 -3.157 38.399 1.00 0.02 ATOM 2985 CA PHE A 328 8.933 -3.157 38.399 1.00 0.02 ATOM 2985 CA PHE A 328 10.45 -4.102 38.206 1.00 0.01 ATOM 2986 CB PHE A 328 10.45 -4.102 38.805 1.00 0.21 ATOM 2987 CG PHE A 328 10.45 -4.102 38.805 1.00 0.21 ATOM 2989 CE1 PHE A 328 10.160 6.623 38.635 1.00 2.16 ATOM 2989 CE1 PHE A 328 10.348 3.696 40.054 1.00 4.19 ATOM 2990 CZ PHE A 328 10.840 3.561 37.091 1.00 0.01 ATOM 2991 CE2 PHE A 328 10.840 3.561 37.091 1.00 0.01 ATOM 2995 CD PHE A 328 10.840 3.561 37.091 1.00 0.01 ATOM 3000 CS PHE A 328 10.840 3.561 37.091 1.00 0.01 ATOM 3001 OS RER A 330 10		,									
ATOM 2970	ATOM	2968	CD	PRO	A	326	1.890	-3.333	36.507		
ATOM 2971 N ARG A 327 5.646 2.858 39.358 1.00 0.01											
ATOM 2973 CA ARG A 327 6.977 2.267 39.528 1.00 0.02											
ATOM 2974 CB										1.00	0.01
ATOM 2975 CG										1.00	0.02
ATOM 2976 CD ARG A 327 8.580 -0.486 42.561 1.00 1.00 ATOM 2977 NE ARG A 327 9.842 0.261 42.668 1.00 2.19 ATOM 2978 CZ ARG A 327 1.0075 0.253 43.151 1.00 2.68 ATOM 2979 NH1 ARG A 327 12.079 0.495 43.192 1.00 3.44 ATOM 2980 NH2 ARG A 327 12.079 0.495 43.192 1.00 3.44 ATOM 2980 NH2 ARG A 327 12.079 0.495 43.192 1.00 3.44 ATOM 2980 NH2 ARG A 327 8.077 -3.316 39.398 1.00 0.02 ATOM 2981 C ARG A 327 8.186 -4.202 40.256 1.00 0.02 ATOM 2983 N PHE A 328 8.933 3.157 38.399 1.00 0.02 ATOM 2985 CA PHE A 328 8.933 3.157 38.399 1.00 0.02 ATOM 2986 CB PHE A 328 10.045 4.102 38.206 1.00 0.01 ATOM 2986 CB PHE A 328 10.160 -6.623 38.635 1.00 2.16 ATOM 2987 CG PHE A 328 10.160 -6.623 38.635 1.00 2.16 ATOM 2989 CEI PHE A 328 10.17 8.194 40.457 1.00 3.00 ATOM 2989 CEI PHE A 328 10.17 8.194 40.457 1.00 3.00 ATOM 2990 CZ PHE A 328 11.396 -7.126 38.233 1.00 2.61 ATOM 2991 CE2 PHE A 328 11.396 -7.126 38.233 1.00 2.61 ATOM 2993 CD PHE A 328 10.866 3.651 37.091 1.00 0.01 ATOM 2994 O PHE A 328 10.883 2.979 36.135 1.00 0.00 ATOM 2995 N SER A 329 12.254 3.988 37.242 1.00 0.01 ATOM 2999 CG SER A 329 13.324 4.900 35.215 1.00 0.00 ATOM 2999 CG SER A 329 13.324 4.900 35.215 1.00 0.00 ATOM 3000 C SER A 329 13.844 5.964 35.685 1.00 0.01 ATOM 3000 C SER A 329 13.844 5.964 35.685 1.00 0.01 ATOM 3000 C SER A 329 13.844 5.964 3.868 3.989 3.00 0.01 ATOM 3000 C SER A 329 13.844 5.964 3.868 3.980 3.00 ATOM 3000 C SER A 330 14.					A	327	7.056	-1.674	40.929	1.00	0.43
ATOM 2977 NE								-0.959		1.00	1.22
ATOM 2978 CZ					Α		8.580		42.561	1.00	1.09
ATOM 2979 NH1 ARG A 327 12.079 0.495 43.192 1.00 3.44 ATOM 2981 C ARG A 327 11.008 -1.517 43.581 1.00 2.85 ATOM 2981 C ARG A 327 8.107 -3.316 39.398 1.00 0.02 ATOM 2982 O ARG A 327 8.186 -4.202 40.256 1.00 0.02 ATOM 2983 N PHE A 328 8.933 3.157 38.399 1.00 0.02 ATOM 2985 CA PHE A 328 8.933 3.157 38.399 1.00 0.02 ATOM 2986 CB PHE A 328 9.496 -5.484 37.861 1.00 1.21 ATOM 2987 CG PHE A 328 9.496 -5.484 37.861 1.00 1.21 ATOM 2988 CD1 PHE A 328 9.523 -7.158 39.747 1.00 3.00 ATOM 2989 CE1 PHE A 328 10.105 -6.623 38.635 1.00 2.16 ATOM 2990 CZ PHE A 328 11.394 -8.696 40.054 1.00 4.19 ATOM 2991 CE2 PHE A 328 11.394 -8.696 40.054 1.00 4.19 ATOM 2992 CD2 PHE A 328 11.394 -8.696 40.054 1.00 3.65 ATOM 2993 C PHE A 328 11.394 -8.616 38.233 1.00 2.61 ATOM 2994 O PHE A 328 11.394 -8.616 38.233 1.00 2.61 ATOM 2995 N SER A 329 12.254 3.988 37.242 1.00 0.01 ATOM 2997 CA SER A 329 12.254 3.988 37.242 1.00 0.01 ATOM 2998 CB SER A 329 13.218 -3.718 36.176 1.00 0.01 ATOM 2999 OG SER A 329 13.844 5.964 3.5685 1.00 0.01 ATOM 3000 C SER A 329 13.244 3.90 35.215 1.00 0.00 ATOM 3000 C SER A 329 13.844 5.964 3.5685 1.00 0.01 ATOM 3001 O SER A 329 13.844 5.964 3.5685 1.00 0.01 ATOM 3000 C SER A 329 13.844 5.964 3.5685 1.00 0.01 ATOM 3001 O SER A 329 13.844 5.964 3.5685 1.00 0.01 ATOM 3000 C SER A 329 13.844 5.964 3.5685 1.00 0.01 ATOM 3001 O SER A 329 13.844 5.964 3.5685 1.00 0.01 ATOM 3002 C SER A 330 14.566 4.287 31.511 1.00 0.01 ATOM 3001 O SER					Α		9.842	0.261	42.668	1.00	2.19
ATOM 2980 NH2 ARG A 327 11.008 -1.517 43.581 1.00 2.85 ATOM 2981 C ARG A 327 8.077 -3.316 39.398 1.00 0.02 ATOM 2982 O ARG A 327 8.186 -4.202 40.256 1.00 0.02 ATOM 2983 N PHE A 328 8.933 3.157 38.399 1.00 0.02 ATOM 2985 CA PHE A 328 8.933 3.157 38.399 1.00 0.02 ATOM 2986 CB PHE A 328 10.045 -4.102 38.206 1.00 0.01 ATOM 2986 CB PHE A 328 10.160 -6.623 38.635 1.00 2.16 ATOM 2987 CG PHE A 328 10.160 -6.623 38.635 1.00 2.16 ATOM 2989 CEI PHE A 328 10.117 8.194 40.457 1.00 3.03 ATOM 2989 CEI PHE A 328 10.117 8.194 40.457 1.00 3.03 ATOM 2990 CZ PHE A 328 11.984 8.161 38.942 1.00 3.65 ATOM 2991 CE2 PHE A 328 11.984 8.161 38.942 1.00 3.65 ATOM 2992 CD2 PHE A 328 11.984 8.161 38.942 1.00 3.65 ATOM 2993 C PHE A 328 10.986 3.651 37.091 1.00 0.01 ATOM 2995 C PHE A 328 10.583 2.979 36.135 1.00 0.01 ATOM 2997 CA SER A 329 13.218 3.718 36.176 1.00 0.01 ATOM 2998 CB SER A 329 13.218 3.718 35.685 1.00 0.01 ATOM 2999 OG SER A 329 13.244 4.900 35.215 1.00 0.01 ATOM 3000 C SER A 329 13.344 4.900 35.215 1.00 0.01 ATOM 3001 O SER A 329 13.844 4.900 35.215 1.00 0.01 ATOM 3000 C SER A 329 13.844 4.900 35.657 1.00 0.00 ATOM 3001 O SER A 329 13.844 4.900 35.215 1.00 0.01 ATOM 3000 C SER A 329 13.844 4.900 35.215 1.00 0.01 ATOM 3001 O SER A 329 13.844 4.900 35.215 1.00 0.01 ATOM 3001 O SER A 330 11.456 4.287 31.511 1.00 0.01 ATOM 3002 N I.E A 330 11.456 4.287 31.511 1.00 0.01 ATOM 3003 CG I.E A 330 11.456 4.28				ARG	A	327	10.975	-0.253	43.151	1.00	2.68
ATOM 2981 C							12.079		43.192	1.00	3.44
ATOM 2982 O		2980		ARG	A	327	11.008	-1.517	43.581	1.00	2.85
ATOM 2983 N				ARG	Α		8.077	-3.316	39.398	1.00	0.02
ATOM 2985 CA		2982	0	ARG	A	327	8.186	-4.202	40.256	1.00	
ATOM 2986 CA	ATOM	2983	N	PHE	Α	328	8.933	-3.157		1.00	
ATOM 2986 CB PHE A 328 9.496 5.484 37.861 1.00 1.21 ATOM 2987 CG PHE A 328 10.160 -6.623 38.635 1.00 2.16 ATOM 2988 CD1 PHE A 328 10.117 8.194 40.457 1.00 3.03 ATOM 2989 CE1 PHE A 328 10.117 8.194 40.457 1.00 3.93 ATOM 2990 CZ PHE A 328 11.348 8.666 40.054 1.00 4.19 ATOM 2991 CE2 PHE A 328 11.984 8.161 38.942 1.00 3.65 ATOM 2992 CD2 PHE A 328 11.984 8.161 38.942 1.00 3.65 ATOM 2992 CD2 PHE A 328 11.990 7.162 38.233 1.00 2.61 ATOM 2993 C PHE A 328 10.986 -3.651 37.091 1.00 0.01 ATOM 2994 O PHE A 328 10.883 2.579 36.135 1.00 0.01 ATOM 2995 N SER A 329 13.218 3.718 36.176 1.00 0.01 ATOM 2997 CA SER A 329 13.218 3.718 36.176 1.00 0.01 ATOM 2999 OG SER A 329 13.324 4.900 35.215 1.00 0.01 ATOM 3000 C SER A 329 13.324 4.900 35.215 1.00 0.02 ATOM 3001 O SER A 329 13.344 4.900 35.215 1.00 0.02 ATOM 3002 N I.E. A 330 12.857 4.688 33.998 1.00 0.01 ATOM 3005 CB I.E. A 330 12.857 4.688 33.998 1.00 0.01 ATOM 3006 CG I.E. A 330 11.456 4.287 31.511 1.00 0.02 ATOM 3007 CG1 I.E. A 330 11.456 4.287 31.511 1.00 0.02 ATOM 3008 CD I.E. A 330 11.456 4.287 31.511 1.00 0.02 ATOM 3009 C I.E. A 330 11.456 4.287 31.511 1.00 0.01 ATOM 3001 O SER A 331 15.937 6.517 30.990 1.00 0.00 ATOM 3001 O SER A 331 15.937 6.517 30.990 1.00 0.01 ATOM 3001 O SER A 331 15.846 8.293 31.897 1.00 0.01 ATOM 3001 O SER A 331 15.937 6.517 30.990 1.00 0.01 ATOM 3010 O SER A 331 15.937 6.517 30.990 1.00 0.01 ATOM 3010 O SER A 331 15.846	ATOM	2985	CA	PHE	A	328	10.045				
ATOM 2988 CDI PHE A 328 10.160 6.6623 38.635 1.00 2.16 ATOM 2988 CDI PHE A 328 9.523 -7.158 39.747 1.00 3.00 ATOM 2989 CEI PHE A 328 10.117 -8.194 40.457 1.00 3.93 ATOM 2990 CZ PHE A 328 11.348 8.696 40.054 1.00 4.19 ATOM 2991 CEZ PHE A 328 11.348 8.696 40.054 1.00 3.65 ATOM 2991 CEZ PHE A 328 11.394 8.161 38.942 1.00 3.65 ATOM 2992 CDZ PHE A 328 11.396 -7.126 38.233 1.00 2.61 ATOM 2993 C PHE A 328 10.386 -3.651 37.091 1.00 0.01 ATOM 2994 O PHE A 328 10.386 -3.651 37.091 1.00 0.01 ATOM 2995 N SER A 329 12.254 3.988 37.742 1.00 0.01 ATOM 2997 CA SER A 329 12.254 3.988 37.742 1.00 0.01 ATOM 2999 CB SER A 329 13.218 3.718 36.176 1.00 0.01 ATOM 2999 OG SER A 329 13.244 4.900 35.215 1.00 0.02 ATOM 3000 C SER A 329 13.244 4.900 35.215 1.00 0.02 ATOM 3001 O SER A 329 13.844 5.964 35.567 1.00 0.02 ATOM 3002 N ILE A 330 12.930 5.723 32.962 1.00 0.02 ATOM 3004 CA ILE A 330 12.857 4.688 33.998 1.00 0.01 ATOM 3005 CB ILE A 330 11.456 4.287 31.511 1.00 0.02 ATOM 3006 CGZ ILE A 330 11.456 4.287 31.511 1.00 0.01 ATOM 3007 CG1 ILE A 330 11.457 4.297 31.897 1.00 0.01 ATOM 3008 CD1 ILE A 330 11.456 4.287 31.511 1.00 0.01 ATOM 3010 O SER A 331 11.4740 4.622 31.631 1.00 0.01 ATOM 3010 O SER A 331 11.4740 4.622 31.631 1.00 0.01 ATOM 3010 O SER A 331 15.846 8.829 30.131 1.00 0.01 ATOM 3010 O SER A 331 15.846 8.829 30.131 1.00 0.01 ATOM 3010 O SER A 331 15.846 8.829 30.131 1.00 0.01 ATOM 3010 O SER A 331 15.	ATOM	2986	CB	PHE	A	328					
ATOM 2989 CDI PHE A 328 9,523 7,158 39,747 1,00 3,00 ATOM 2989 CZ PHE A 328 10,117 -8,194 40,457 1,00 3,91 ATOM 2990 CZ PHE A 328 11,348 -8,696 40,054 1,00 4,19 ATOM 2991 CE2 PHE A 328 11,384 -8,696 40,054 1,00 4,19 ATOM 2992 CD2 PHE A 328 11,984 -8,161 38,243 1,00 2,61 ATOM 2992 CD2 PHE A 328 11,984 -8,161 38,243 1,00 2,61 ATOM 2993 C PHE A 328 10,986 3,651 37,091 1,00 0,01 ATOM 2994 O PHE A 328 10,986 3,651 37,091 1,00 0,01 ATOM 2995 N SER A 329 12,254 -3,988 37,242 1,00 0,01 ATOM 2995 CA SER A 329 13,218 -3,718 36,775 1,00 0,00 ATOM 2999 CB SER A 329 13,218 -3,718 36,775 1,00 0,00 ATOM 2999 OG SER A 329 13,218 -3,718 36,756 1,00 0,01 ATOM 3000 C SER A 329 13,324 -4,900 35,215 1,00 0,00 ATOM 3001 O SER A 329 13,844 5,964 35,567 1,00 0,02 ATOM 3002 N ILE A 330 12,857 -4,688 33,998 1,00 0,01 ATOM 3004 CA ILE A 330 12,857 -4,688 33,998 1,00 0,01 ATOM 3005 CB ILE A 330 12,930 -5,723 32,962 1,00 0,01 ATOM 3006 CG2 ILE A 330 11,456 4,287 31,511 1,00 0,02 ATOM 3009 C ILE A 330 14,470 -5,524 32,092 1,00 0,01 ATOM 3009 C ILE A 330 14,470 -5,524 32,092 1,00 0,01 ATOM 3010 O SER A 331 14,740 -6,622 31,631 1,00 0,01 ATOM 3011 N SER A 331 15,937 -6,517 30,790 1,00 0,00 ATOM 3015 OG SER A 331 15,846 -8,297 26,679 1,00 0,01 ATOM 3016 C SER A 331 15,846 -8,297 26,679 1,00 0,01 ATOM 3016 C SER A 331 15,846 -8,297 26,679 1,00 0,01 ATOM 3016 C SER A 331 15,866 -7,307 28,552 1,00 0,00 ATOM 3020 C ALA A 33	ATOM	2987	CG	PHE	A	328					
ATOM 2989 CE1	ATOM	2988	CD1	PHE							
ATOM 2990 CZ	ATOM	2989	CE1								
ATOM 2991 CE2	ATOM	2990									
ATOM 2992 CD2 PHE A 328 11.390 7.126 38.233 1.00 2.61 ATOM 2993 C PHE A 328 10.986 -3.651 37.091 1.00 0.00 ATOM 2994 O PHE A 328 10.583 2.979 36.135 1.00 0.00 ATOM 2995 N SER A 329 12.254 3.988 37.242 1.00 0.01 ATOM 2997 CA SER A 329 12.254 3.988 37.242 1.00 0.01 ATOM 2998 CB SER A 329 13.218 3.178 36.176 1.00 0.01 ATOM 2999 OG SER A 329 13.218 3.138 36.176 1.00 0.01 ATOM 2999 OG SER A 329 13.460 -3.178 35.685 1.00 0.01 ATOM 3000 C SER A 329 13.844 4.900 35.215 1.00 0.02 ATOM 3001 O SER A 329 13.844 4.900 35.215 1.00 0.02 ATOM 3002 N ILE A 330 12.857 4.688 33.998 1.00 0.01 ATOM 3004 CA ILE A 330 12.857 4.688 33.998 1.00 0.01 ATOM 3005 CB ILE A 330 11.456 4.287 31.141 1.00 0.01 ATOM 3006 CG2 ILE A 330 10.451 6.083 32.946 1.00 0.01 ATOM 3007 CG1 ILE A 330 11.456 4.287 31.511 1.00 0.02 ATOM 3008 CD1 ILE A 330 14.670 4.287 31.511 1.00 0.02 ATOM 3009 C ILE A 330 14.670 4.287 31.511 1.00 0.01 ATOM 3010 O ILE A 330 14.670 5.524 32.092 1.00 0.01 ATOM 3010 O ILE A 330 14.670 5.524 32.092 1.00 0.01 ATOM 3010 O ILE A 330 14.670 5.524 31.631 1.00 0.01 ATOM 3011 N SER A 331 15.937 6.517 30.990 1.00 0.01 ATOM 3010 O SER A 331 15.846 6.315 30.846 1.00 0.02 ATOM 3015 OG SER A 331 15.846 6.315 30.846 1.00 0.02 ATOM 3016 C SER A 331 15.846 6.315 30.846 1.00 0.02 ATOM 3016 C SER A 331 15.846 6.315 30.846 1.00 0.01 ATOM 3017 O SER A 331 15.846 6.315 30.846 1.00 0.01 ATOM 3016 C SER A 331 15.846 6.315	ATOM	2991									
ATOM 2994 C	ATOM										
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ATOM 3028 OG SER A 333 20.418 - 26.472 1.00 1.04 ATOM 3029 C SER A 333 19.281 9.904 24.325 1.00 0.02 ATOM 3030 O SER A 333 18.520 - 24.311 1.00 0.01											
ATOM 3029 C SER A 333 19.281 -9.904 24.325 1.00 0.02 ATOM 3030 O SER A 333 18.520 - 24.311 1.00 0.01											
ATOM 3029 C SER A 333 19.281 -9.904 24.325 1.00 0.02 ATOM 3030 O SER A 333 18.520 - 24.311 1.00 0.01	ATOM	3028	UG	SER	A	333	20.418		26.472	1.00	1.04
ATOM 3030 O SER A 333 18.520 - 24.311 1.00 0.01	ATOM	2020		CED	-	222	10.201		24.225	1.00	
10.878	ATOM	3030	U	SEK	A	333	18.520		24.311	1.00	0.01
						L		10.878			

ATOM	3031	N	TYR	A	334	19.810	-9.379	23.234	1.00	0.00
ATOM	3033	CA	TYR	A	334	19.513	-9.914	21.898	1.00	0.01
ATOM	3034	CB	TYR	A	334	18.510	-9.005	21.194	1.00	0.01
ATOM	3035	CG	TYR	A	334	17.169	-8.855	21.903	1.00	0.01
ATOM	3036	CD1	TYR	A	334	16.270	-9.915	21.930	1.00	0.01
ATOM	3037	CE1	TYR	A	334	15.052	-9.775	22.583	1.00	0.01
ATOM	3038	CZ	TYR	A	334	14.740	-8.574	23.205	1.00	0.00
ATOM	3039	OH	TYR	A	334	13.541	-8.429	23.867	1.00	0.00
ATOM	3040	CE2	TYR	A	334	15.636	-7.516	23.178	1.00	0.01
ATOM	3041	CD2	TYR	A	334	16.851	-7.657	22.527	1.00	0.01
ATOM	3042	C	TYR	A	334	20.767	-7.037	21.036	1.00	
ATOM	3042		IIK	A	334	20.767	10,002	21.036	1.00	0.01
ATOM	3043	0	TYR	A	334	21.439	-8.995	20.779	1.00	0.01
ATOM	3044	N	ASN	A	335	21.439	-8.993	20.779	1.00	0.01
ATOM	3044	14	Aon	A	333	21.003		20.575	1.00	0.01
ATOM	3046	CA	ASN	A	335	22.186	11.202	19.652	1.00	0.01
ATOM	3040	CA	Aon	A	333	22.100	11.373	19.032	1.00	0.01
ATOM	3047	CB	ASN	A	335	22.629	11.575	19.652	1.00	0.26
ATOM	3047	CB	ASIN	A	333	22.029	12.831	19.652	1.00	0.26
ATOM	3048	CG	ASN	A	335	23.835	12.631	18.736	1.00	0.35
ATOM	3040	100	ASIN	A	333	23.633	13.005	18.730	1.00	0.33
ATOM	3049	OD1	ASN	A	335	23.683	13.003	17.515	1.00	0.52
ATOM	3049	ODI	ASIN	A	333	23.083	13.139	17.515	1.00	0.52
ATOM	3050	ND2	ASN	A	335	25.016	15.159	19.318	1.00	0.07
ATON	3030	NDZ	ASIN	A	333	25.016	12 000	19.318	1.00	0.87
ATOM	3053	С	ASN	A	225	21.766	12.899	10.051	1.00	0.01
ATOM	3033	-	ASN	A	335	21.755	10.040	18.254	1.00	0.01
ATOM	3054	0	A COLT	+	225	01.000	10.940	10.000	1.00	
ATOM	3054	0	ASN	A	335	21.077	-	17.532	1.00	0.01
ATOM	3055	N	LEH		226	22.276	11.684	17.700	1.00	0.01
ATOM			LEU	A	336	22.375	-9.868	17.792	1.00	0.01
	3057	CA	LEU	A	336	21.956	-9.223	16.544	1.00	0.01
ATOM	3058	CB	LEU	A	336	22.514	-7.805	16.520	1.00	0.01
ATOM	3059	CG	LEU	A	336	21.987	-6.958	17.671	1.00	0.01
ATOM	3060	CD1	LEU	A	336	22.678	-5.599	17.697	1.00	0.01
ATOM	3061	CD2	LEU	A	336	20.472	-6.796	17.582	1.00	0.01
ATOM	3062	C	LEU	A	336	22.463	-9.964	15.317	1.00	0.01
ATOM	3063	0	LEU	A	336	21.785	-9.955	14.284	1.00	0.01
ATOM	3064	N	GLU	A	337			15.532		
					557	23.419	-	15.552	1.00	0.01
ATOM				_			10.849			
	3066	CA	GLU	A	337	24.019	-	14.439	1.00	0.01
					337	24.019	10.849 - 11.609	14.439	1.00	0.01
ATOM	3066 3067	CA CB	GLU	A			- 11.609 -			
	3067	СВ	GLU	A	337	24.019	- 11.609 - 12.045	14.439	1.00	0.01
ATOM ATOM					337	24.019	- 11.609 - 12.045	14.439	1.00	0.01
ATOM	3067 3068	CB	GLU	A	337 337 337	24.019 25.387 26.202	- 11.609 - 12.045	14.439 14.937 13.918	1.00 1.00	0.01 0.13 1.05
	3067	СВ	GLU	A	337	24.019	- 11.609 - 12.045 - 12.823	14.439	1.00	0.01
ATOM ATOM	3067 3068 3069	CB CG CD	GLU GLU	A A	337 337 337 337	24.019 25.387 26.202 27.589	- 11.609 - 12.045	14.439 14.937 13.918 14.512	1.00 1.00 1.00	0.01 0.13 1.05 0.89
ATOM	3067 3068	CB	GLU	A	337 337 337	24.019 25.387 26.202	- 11.609 - 12.045 - 12.823 - 12.964	14.439 14.937 13.918	1.00 1.00	0.01 0.13 1.05
ATOM ATOM	3067 3068 3069 3070	CB CG CD OE1	GLU GLU GLU	A A A	337 337 337 337	24.019 25.387 26.202 27.589 28.180	- 11.609 - 12.045 - 12.823	14.439 14.937 13.918 14.512 14.372	1.00 1.00 1.00 1.00	0.01 0.13 1.05 0.89
ATOM ATOM	3067 3068 3069	CB CG CD	GLU GLU	A A	337 337 337 337	24.019 25.387 26.202 27.589	- 11.609 - 12.045 - 12.823 - 12.964 - 14.022	14.439 14.937 13.918 14.512	1.00 1.00 1.00	0.01 0.13 1.05 0.89
ATOM ATOM ATOM	3067 3068 3069 3070 3071	CB CG CD OE1 OE2	GLU GLU GLU GLU	A A A	337 337 337 337 337 337	24.019 25.387 26.202 27.589 28.180 27.896	- 11.609 - 12.045 - 12.823 - 12.964	14.439 14.937 13.918 14.512 14.372 15.329	1.00 1.00 1.00 1.00 1.00	0.01 0.13 1.05 0.89 1.40 0.86
ATOM ATOM	3067 3068 3069 3070	CB CG CD OE1	GLU GLU GLU	A A A	337 337 337 337	24.019 25.387 26.202 27.589 28.180	11.609 - 12.045 - 12.823 - 12.964 - 14.022 - 12.098	14.439 14.937 13.918 14.512 14.372	1.00 1.00 1.00 1.00	0.01 0.13 1.05 0.89
ATOM ATOM ATOM ATOM	3067 3068 3069 3070 3071 3072	CB CG CD OE1 OE2 C	GLU GLU GLU	A A A A	337 337 337 337 337 337	24.019 25.387 26.202 27.589 28.180 27.896 23.167	- 11.609 - 12.045 - 12.823 - 12.964 - 14.022	14.439 14.937 13.918 14.512 14.372 15.329 14.048	1.00 1.00 1.00 1.00 1.00 1.00	0.01 0.13 1.05 0.89 1.40 0.86
ATOM ATOM ATOM	3067 3068 3069 3070 3071	CB CG CD OE1 OE2	GLU GLU GLU GLU	A A A	337 337 337 337 337 337	24.019 25.387 26.202 27.589 28.180 27.896	- 11.609 - 12.045 - 12.823 - 12.964 - 14.022 - 12.098 - 12.815	14.439 14.937 13.918 14.512 14.372 15.329	1.00 1.00 1.00 1.00 1.00	0.01 0.13 1.05 0.89 1.40 0.86
ATOM ATOM ATOM ATOM ATOM ATOM	3067 3068 3069 3070 3071 3072 3073	CB CG CD OE1 OE2 C	GLU GLU GLU GLU GLU GLU GLU	A A A A	337 337 337 337 337 337 337	24.019 25.387 26.202 27.589 28.180 27.896 23.167 23.318	- 11.609 - 12.045 - 12.823 - 12.964 - 14.022 - 12.098 - 12.815 - 13.346	14.439 14.937 13.918 14.512 14.372 15.329 14.048 12.942	1.00 1.00 1.00 1.00 1.00 1.00 1.00	0.01 0.13 1.05 0.89 1.40 0.86 0.01
ATOM ATOM ATOM ATOM	3067 3068 3069 3070 3071 3072	CB CG CD OE1 OE2 C	GLU GLU GLU	A A A A	337 337 337 337 337 337	24.019 25.387 26.202 27.589 28.180 27.896 23.167	- 11.609 - 12.045 - 12.823 - 12.964 - 14.022 - 12.098 - 12.815 - 13.346	14.439 14.937 13.918 14.512 14.372 15.329 14.048	1.00 1.00 1.00 1.00 1.00 1.00	0.01 0.13 1.05 0.89 1.40 0.86
ATOM ATOM ATOM ATOM ATOM ATOM	3067 3068 3069 3070 3071 3072 3073	CB CG CD OE1 OE2 C	GLU GLU GLU GLU GLU GLU GLU	A A A A	337 337 337 337 337 337 337	24.019 25.387 26.202 27.589 28.180 27.896 23.167 23.318	- 11.609 - 12.045 - 12.823 - 12.964 - 14.022 - 12.098 - 12.815 - 13.346	14.439 14.937 13.918 14.512 14.372 15.329 14.048 12.942	1.00 1.00 1.00 1.00 1.00 1.00 1.00	0.01 0.13 1.05 0.89 1.40 0.86 0.01

							14.229			
ATOM	3077	CB	THR	Α	338	21.139	- 15.195	15.741	1.00	0.22
ATOM	3078	OG1	THR	A	338	20.704	14.465	16.881	1.00	0.83
ATOM	3079	CG2	THR	Α	338	22.473	- 15.854	16.073	1.00	0.78
ATOM	3080	С	THR	Α	338	19.892	13.646	14.238	1.00	0.01
ATOM	3081	0	THR	Α	338	19.056	14.333	13.639	1.00	0.01
ATOM	3082	N	1LE	A	339	19.695	12.372	14.539	1.00	0.01
ATOM	3084	CA	ILE	A	339	18.391	11.748	14.284	1.00	0.01
ATOM	3085	СВ	ILE	A	339	18.102	10.748	15.398	1.00	0.19
ATOM	3086	CG2	1LE	Α	339	16.796	10.018	15.118	1.00	0.33
ATOM	3087	CG1	ILE	A	339	18.042	11.425	16.765	1.00	0.43
ATOM	3088	CD1	ILE	A	339	16.880	12.407	16.865	1.00	0.67
ATOM	3089	С	ILE	A	339	18.363	11.030	12.938	1.00	0.01
ATOM	3090	0	ILE	A	339	17.499	11.303	12.093	1.00	0.01
ATOM	3091	N	LEU	A	340	19.419	10.289	12.665	1.00	0.01
ATOM	3093	CA	LEU	A	340	19.487	-9.512	11.426	1.00	0.01
ATOM	3094	CB	LEU	Α	340	20.616	-8.504	11.556	1.00	0.01
ATOM	3095	CG	LEU	Α	340	20.352	-7.548	12.713	1.00	0.01
ATOM	3096	CD1	LEU	Α	340	21.572	-6.681	12.990	1.00	0.01
ATOM	3097	CD2	LEU	Α	340	19.114	-6.693	12.457	1.00	0.01
ATOM	3098	С	LEU	A	340	19.624	10.296	10.102	1.00	0.01
ATOM	3099	0	LEU	Α	340	19.003	-9.791	9.156	1.00	0.01
ATOM	3100	N	PRO	A	341	20.199	11.500	9.987	1.00	0.01
ATOM	3101	CA	PRO	A	341	20.074	12.210	8.702	1.00	0.01
ATOM	3102	CB	PRO	A	341	20.942	13.425	8.813	1.00	0.39
ATOM	3103	CG	PRO	A	341	21.497	13.522	10.219	1.00	0.63
ATOM	3104	CD	PRO	A	341	20.982	12.297	10.948	1.00	0.66
ATOM	3105	С	PRO	A	341	18.642	12.616	8.337	1.00	0.01
ATOM	3106	0	PRO	A	341	18.306	12.529	7.150	1.00	0.01
ATOM	3107	N	LYS	A	342	17.752	12.711	9.318	1.00	0.01
ATOM	3109	CA	LYS	A	342	16.348	13.035	9.039	1.00	0.01
ATOM	3110	СВ	LYS	A	342	15.712	- 13.544	10.325	1.00	0.97
ATOM	3111	CG	LYS	A	342	16.524	14.662	10.964	1.00	1.75

ATOM	3112	CD	LYS	A	342	15.847	15.142	12.241	1.00	2.93
ATOM	3113	CE	LYS	A	342	15.599	-	13.193	1.00	3.48
ATOM	3114	NZ	LYS	A	342	14.897	13.977	14.405	1.00	3.77
Mom	3114	112	213	Α.	342	14.097	14.426	14.403	1.00	3.77
ATOM	3115	C	LYS	A	342	15.574	-	8.584	1.00	0.01
ATOM	3116	0	LYS	A	342	14.480	11.796	8.018	1.00	0.01
ATOM	3110	0	LIS	A	342	14.460	11.904	0.018	1.00	0.01
ATOM	3117	N	MET	A	343	16.172	-	8.797	1.00	0.01
ATOM	3119	CA	N CETT		2.42	15.504	10.634	0.050	1.00	
			MET	A	343	15.594	-9.369	8.350	1.00	0.01
ATOM	3120	CB	MET	A	343	15.740	-8.343	9.469	1.00	1.42
ATOM	3121	CG	MET	A	343	15.088	-8.823	10.762	1.00	2.03
ATOM	3122	SD	MET	A	343	13.348	-9.309	10.639	1.00	1.82
ATOM	3123	CE	MET	Α	343	12.684	-7.810	9.878	1.00	2.49
ATOM	3124	C	MET	Α	343	16.269	-8.851	7.079	1.00	0.01
ATOM	3125	0	MET	A	343	15.957	-7.746	6.620	1.00	0.00
ATOM	3126	N	GLY	A	344	17.237	-9.591	6.563	1.00	0.01
ATOM	3128	CA	GLY	A	344	17.883	-9.196	5.306	1.00	0.01
ATOM	3129	C	GLY	Α	344	19.370	-8.887	5.460	1.00	0.01
ATOM	3130	0	GLY	A	344	20.141	-9.041	4.504	1.00	0.01
ATOM	3131	N	ILE	Α	345	19.760	-8.444	6.644	1.00	0.01
ATOM	3133	CA	ILE	Α	345	21.156	-8.078	6.921	1.00	0.01
ATOM	3134	CB	ILE	A	345	21.159	-7.123	8.109	1.00	
										0.01
ATOM	3135	CG2	ILE	A	345	22.529	-6.475	8.275	1.00	0.00
ATOM	3136	CG1	ILE	A	345	20.086	-6.054	7.943	1.00	0.01
ATOM	3137	CD1	ILE	A	345	20.083	-5.075	9.111	1.00	0.00
ATOM	3138	C	1LE	A	345	21.976	-9.320	7.271	1.00	0.00
ATOM	3139	0	ILE	Α	345	22.186	-9.637	8.447	1.00	0.01
ATOM	3140	N	GLN	Α	346	22.471	-9.992	6.247	1.00	0.00
ATOM	3142	CA	GLN	A	346	23.161	-	6,443	1.00	0.01
		0.11	G.L.	1.	3,0	25.101	11.269	0.443	1.00	0.01
ATOM	3143	CB	GLN	A	346	22.500		5.500	1.00	1.21
10011							12.262			
ATOM	3144	CG	GLN	A	346	23.176	-	5.548	1.00	1.87
							13.625			
ATOM	3145	CD	GLN	A	346	22.735	-	4.339	1.00	2.20
							14.438			
ATOM	3146	OE1	GLN	Α	346	21.841	-	4.431	1.00	2.70
			1				15.289			
ATOM	3147	NE2	GLN	A	346	23.345	101203	3.205	1.00	2.46
1110	J ,	1102	GEN	1.	340	25.545	14.135	3.203	1.00	2.40
ATOM	3150	С	CLM		246	24.640	14.133	6.000	1.00	0.00
ATOM	3130		GLN	A	346	24.640	11 201	6.090	1.00	0.00
ATOM	2161	-	CIN		211		11.201			
ATOM	3151	0	GLN	Α	346	25.502	-	6.842	1.00	0.01
							11.688			
ATOM	3152	N	ASN	Α	347	24.938	-	5.088	1.00	0.01
							10.392			
ATOM	3154	CA	ASN	Α	347	26.273		4.483	1.00	0.00
1		1	1.0.1	1.	1 347	20.273	10.397	1.703	1.00	3.00
ATOM	3155	СВ	ASN	A	347	26 212		2 112	1.00	0.62
				A		26.212	-9.732	3.113	1.00	0.63
ATOM	3156	CG	ASN	A	347	25.547		2.064	1.00	1.00
1,000				_			10.625			
ATOM	3157	OD1	ASN	A	347	24.760	-	2.362	1.00	1.77
							11.536			
ATOM	3158	ND2	ASN	A	347	25.894	-	0.820	1.00	1.70

		Т		_						
ATOM	3161	С	ASN	A	347	27,327	-9.696	5.322	1.00	0.01
ATOM	3162	0	ASN	A	347	28.491	-9.090	5.227		
			ASIN	A	34/	26.491	10.091	3.221	1.00	0.01
ATOM	3163	N	ALA	A	348	26.896	-8.925	6.309	1.00	0.01
ATOM	3165	CA	ALA	Α	348	27.825	-8.229	7.205	1.00	0.01
ATOM	3166	CB	ALA	A	348	27.092	-7.043	7.822	1.00	0.19
ATOM	3167	C	ALA	A	348	28.345	-9.130	8.324	1.00	0.01
ATOM	3168	0	ALA	A	348	29.375	-8.827	8.939	1.00	0.00
ATOM	3169	N	PHE	A	349	27.681	10.253	8.543	1.00	0.01
ATOM	3171	CA	PHE	Α	349	28.155	11.202	9.548	1.00	0.02
ATOM	3172	CB	PHE	Α	349	26.947	11.846	10.218	1.00	0.01
ATOM	3173	CG	PHE	A	349	25.980	10.840	10.834	1.00	0.02
ATOM	3174	CD1	PHE	Α	349	26.446	-9.880	11.723	1.00	0.01
ATOM	3175	CE1	PHE	A	349	25.569	-8.957	12.275	1.00	0.01
ATOM	3176	CZ	PHE	A	349	24.223	-8.998	11.944	1.00	0.00
ATOM	3177	CE2	PHE	A	349	23.755	-9.966	11.065	1.00	0.01
ATOM	3178	CD2	PHE	A	349	24.631	10.888	10.511	1.00	0.00
ATOM	3179	С	PHE	A	349	28.996	12.263	8.859	1.00	0.00
ATOM	3180	0	PHE	A	349	29.996	12.742	9.402	1.00	0.02
ATOM	3181	N	ASP	A	350	28.658	12.488	7.599	1.00	0.01
ATOM	3183	CA	ASP	A	350	29.393	13.425	6.745	1.00	0.00
ATOM	3184	CB	ASP	Α	350	28.670	13.529	5.406	1.00	1.52
ATOM	3185	CG	ASP	Α	350	27.237	14.027	5.533	1.00	2.27
ATOM	3186	OD1	ASP	A	350	26.987	14.857	6.399	1.00	2.78
ATOM	3187	OD2	ASP	Α	350	26.428	13.632	4.696	1.00	2.74
ATOM	3188	С	ASP	A	350	30.820	12.944	6.481	1.00	0.01
ATOM	3189	0	ASP	A	350	31.122	- 11.751	6.581	1.00	0.02
ATOM	3190	N	LYS	A	351	31.646	13.860	5.996	1.00	0.02
ATOM	3192	CA	LYS	Α	351	33.055	13.558	5.674	1.00	0.01
ATOM	3193	СВ	LYS	Α	351	33.795	- 14.881	5.543	1.00	0.65
ATOM	3194	CG	LYS	A	351	33.604	- 15.760	6.772	1.00	1.13
ATOM	3195	CD	LYS	Α	351	34.251	- 17.123	6.564	1.00	1.37
ATOM	3196	CE	LYS	A	351	33.628	17.836	5.368	1.00	2.60
ATOM	3197	NZ	LYS	A	351	34.266	- 19.142	5.136	1.00	3.15
ATOM	3198	С	LYS	A	351	33.213	12.806	4.350	1.00	0.02

	ATOM	3199	0	LYS	A	351	34.297	12.309	4.023	1.00	0.01
	ATOM	3200	N	ASN	A	352	32.114	-	3.627	1.00	0.02
	ATOM	3202	CA	ASN	A	352	32.049	12.692	2.361	1.00	0.00
	17016	22.02	CD	1.001	ļ.,			11.964			
	ATOM	3203	СВ	ASN	A	352	31.173	12.759	1.390	1.00	0.51
	ATOM	3204	CG	ASN	A	352	29.869	13.231	2.040	1.00	1.28
	ATOM	3205	OD1	ASN	A	352	29.796	14.333	2.595	1.00	1.84
	ATOM	3206	ND2	ASN	A	352	28.858	-	1.990	1.00	2.06
	ATOM	3209	С	ASN	A	352	31.522	12.381	2.541	1.00	0.00
	ATOM	2210		1001	<u> </u>			10.537			
	ATOM	3210	0	ASN	A	352	30.997	-9.951	1.581	1.00	0.01
	ATOM	3211	N	ALA	A	353	31.494	10.066	3.777	1.00	0.01
	ATOM	3213	CA	ALA	A	353	31.074	-8.692	4.047	1.00	0.01
	ATOM	3214	CB	ALA	A	353	31.097	-8.473	5.551	1.00	0.01
	ATOM	3215	C	ALA	A	353	31.997	-7.683	3.379	1.00	0.01
	ATOM	3216	0	ALA	A	353	33.229	-7.781	3.429	1.00	0.02
	ATOM	3217	N	ASP	A	354	31.385	-6.708	2.728	1.00	0.01
	ATOM	3219	CA	ASP	A	354	32.164	-5.651	2.088	1.00	0.01
	ATOM	3220	CB	ASP	A	354	31.396	-5.129	0.870	1.00	0.01
	ATOM	3221	CG	ASP	A	354	32.212	-4.138	0.030	1.00	0.00
	ATOM	3222	OD1	ASP	A	354	32.848	-3.267	0.615	1.00	0.01
	ATOM	3223	OD2	ASP	A	354	32.008	-4.141	-1.174	1.00	0.00
	ATOM	3224	C	ASP	A	354	32.385	-4.542	3.103	1.00	0.00
	ATOM	3225	0	ASP	A	354	31.565	-3.630	3.230	1.00	0.00
	ATOM	3226	N	PHE	A	355	33.507	-4.604	3.793	1.00	0.01
	ATOM	3228	CA	PHE	A	355	33.843	-3.552	4.751	1.00	
	ATOM	3229	CB	PHE	A	355	34.107	-4.179	6.113	1.00	1.78
	ATOM	3230	CG	PHE	A	355	32.846	-4.653			
	ATOM	3231	CD1	PHE	A	355	32.859		6.834	1.00	2.43
	ATOM	3232	CEI	PHE	A	355	31.718	-5.839	7.555	1.00	3.08
	ATOM	3233	CZ	PHE	A	355	30.559	-6.265	8.221	1.00	3.90
	ATOM	3234	CE2	PHE	A	355	30.539	-5.504	8.164	1.00	4.07
	ATOM	3235	CD2	PHE	A			-4.318	7.443	1.00	3.51
	ATOM	3236	CD2	PHE		355	31.686	-3.893	6.779	1.00	2.73
	ATOM	3237	0	PHE	A	355	35.046	-2.749	4.275	1.00	0.02
	ATOM	3238	N	SER	A	355	35.975	-2.488	5.052	1.00	0.02
	ATOM	3240	CA	SER	A	356	34.885	-2.144	3.107	1.00	0.02
	ATOM	3240	CB		A	356	35.978	-1.419	2.434	1.00	0.00
	ATOM	3241	OG	SER	A	356	35.684	-1.364	0.940	1.00	0.01
	ATOM			SER	A	356	34.507	-0.591	0.750	1.00	0.01
	ATOM	3243	C	SER	A	356	36.196	0.009	2.949	1.00	0.02
	ATOM	3244		SER	A	356	37.063	0.728	2.438	1.00	0.01
			N	GLY	A	357	35.391	0.425	3.912	1.00	0.00
	ATOM	3247	CA	GLY	A	357	35.604	1.702	4.590	1.00	0.01
	ATOM	3248	C	GLY	A	357	36.279	1.465	5.937	1.00	0.02
-	ATOM	3249	0	GLY	A	357	36.934	2.363	6.484	1.00	0.02
-	ATOM	3250	N	ILE	A	358	36.160	0.241	6.429	1.00	0.00
-	ATOM	3252	CA	ILE	A	358	36.753	-0.120	7.716	1.00	0.01
- [ATOM	3253	CB	ILE	Α	358	35.915	-1.222	8.354	1.00	1.15
	ATOM	3254	CG2	ILE	Α	358	36.415	-1.521	9.764	1.00	1.49
-	ATOM	3255	CG1	ILE	A	358	34.440	-0.854	8.382	1.00	1.60
l	ATOM	3256	CD1	ILE	A	358	33.617	-1.909	9.109	1.00	2.08

	ATOM	3257	C	ILE	A	358	38.158	-0.666	7.519	1.00	0.02
	ATOM	3258	0	ILE	A	358	39.102	-0.216	8.178	1.00	0.02
	ATOM	3259	N	ALA	A	359	38.280	-1.586	6.576	1.00	0.02
	ATOM	3261	CA	ALA	A	359	39.550	-2.261	6.296	1.00	0.00
	ATOM	3262	CB	ALA	A	359	39.821	-3.283	7.395	1.00	0.83
	ATOM	3263	C	ALA	A	359	39.467	-2.976	4.953	1.00	0.02
	ATOM	3264	0	ALA	A	359	39.356	-4.210	4.917	1.00	0.02
	ATOM	3265	N	LYS	A	360	39.799	-2.242	3.903	1.00	0.00
	ATOM	3267	CA	LYS	A	360	39.608	-2.681	2.507	1.00	0.00
	ATOM	3268	CB	LYS	A	360	39.945	-1.487	1.618	1.00	1.13
	ATOM	3269	CG	LYS	A	360	41.351	-0.963	1.906	1.00	1.56
	ATOM	3270	CD	LYS	A	360	41.759	0.129	0.926	1.00	2.17
	ATOM	3271	CE	LYS	A	360	40.773	1.289	0.948	1.00	3.04
	ATOM	3272	NZ	LYS	A	360	41.170	2.337	-0.004	1.00	3.66
	ATOM	3273	C	LYS	A	360	40,437	-3.877	2.012	1.00	0.02
	ATOM	3274	0	LYS	A	360	40.140	-4.394	0.930	1.00	0.02
	ATOM	3275	N	ARG	A	361	41.421	-4.340	2.765	1.00	0.02
	ATOM	3277	CA	ARG	A	361	42.187	-5.507	2.324	1.00	0.02
	ATOM	3278	CB	ARG	A	361	43.662	-5.131	2.299	1.00	1.38
	ATOM	3279	CG	ARG	A	361	44.165	-4.694	3.668	1.00	1.86
	ATOM	3280	CD	ARG	A	361	45.493	-3.965	3.534	1.00	2.43
	ATOM	3281	NE	ARG	A	361	45.300	-2.722	2.770	1.00	3.31
	ATOM	3282	CZ	ARG	A	361	46.256	-1.808	2.594	1.00	4.21
	ATOM	3283	NH1	ARG	A	361	45.992	-0.690	1.914	1.00	5.21
	ATOM	3284	NH2	ARG	A	361	47.469	-2.001	3.118	1.00	4.31
	ATOM	3285	С	ARG	A	361	41.939	-6.728	3.211	1.00	0.02
	ATOM	3286	0	ARG	Α	361	42.483	-7.809	2.956	1.00	0.00
	ATOM	3287	N	ASP	A	362	41.107	-6.562	4.227	1.00	0.02
	ATOM	3289	CA	ASP	A	362	40.847	-7.655	5.171	1.00	0.01
	ATOM	3290	CB	ASP	A	362	41.005	-7.113	6.592	1.00	0.80
	ATOM	3291	CG	ASP	A	362	42.408	-6.547	6.824	1.00	0.66
	ATOM	3292	OD1	ASP	A	362	43.357	-7.142	6.338	1.00	0.78
	ATOM	3293	OD2	ASP	A	362	42.506	-5.501	7.457	1.00	1.43
	ATOM	3294	C	ASP	A	362	39.432	-8.207	4.989	1.00	0.02
	ATOM	3295	0	ASP	Α	362	38.485	-7.445	4.769	1.00	0.02
	ATOM	3296	N	SER	Α	363	39.293	-9.522	5.072	1.00	0.01
	ATOM	3298	CA	SER	Α	363	37.955	-	5.029	1.00	0.02
								10.144			
	ATOM	3299	CB	SER	Α	363	38.077	-	4.580	1.00	0.34
								11.595			
	ATOM	3300	OG	SER	A	363	38.580	-	3.250	1.00	0.54
								11.595			
	ATOM	3301	C	SER	A	363	37.296	-	6.407	1.00	0.02
								10.070			
	ATOM	3302	0	SER	A	363	37.486	-	7.268	1.00	0.00
	.=0							10.940			
	ATOM	3303	N	LEU	A	364	36.566	-8.987	6.610	1.00	0.01
	ATOM	3305	CA	LEU	A	364	36.018	-8.664	7.926	1.00	0.01
	ATOM	3306	CB	LEU	A	364	36.083	-7.147	8.066	1.00	0.00
	ATOM	3307	CG	LEU	A	364	35.857	-6.672	9.495	1.00	0.02
	ATOM	3308	CD1	LEU	A	364	36.971	-7.164	10.406	1.00	0.01
i	ATOM	3309	CD2	LEU	A	364	35.790	-5.153	9.540	1.00	0.01
	ATOM	3310	C	LEU	A	364	34.586	-9.173	8.085	1.00	0.00
	ATOM	3311	0	LEU	A	364	33.715	-8.941	7.243	1.00	0.00
i	ATOM	3312	N	GLN	A	365	34.374	-9.874	9.186	1.00	0.01
	ATOM	3314	CA	GLN	A	365	33.063	-	9.512	1.00	0.02
	ATOM	2216	CD	OTAL	L			10.445			
	ATOM	3315	CB	GLN	A	365	33.195	-	9.376	1.00	0.93

							11.960			
ATOM	3316	CG	GLN	A	365	34.513	12.447	9.973	1.00	0.96
ATOM	3317	CD	GLN	A	365	34.684	13.954	9.795	1.00	1.26
ATOM	3318	OE1	GLN	A	365	33.725	14.728	9.900	1.00	1.74
ATOM	3319	NE2	GLN	Α	365	35.906	14.343	9.476	1.00	1.77
ATOM	3322	С	GLN	A	365	32.612	10.062	10.924	1.00	0.01
ATOM	3323	0	GLN	A	365	33.414	-	11.873	1.00	0.02
ATOM	3324	N	VAL	A	366	31.372	10.108 -9.605	11.042	1.00	0.02
ATOM	3324	CA	VAL	A	366	30.808	-9.330	12.373	1.00	0.02
ATOM	3327	CB	VAL	A	366	29.611	-8.391	12.278	1.00	0.02
ATOM	3328	CG1	VAL	A	366	29.051	-8.088	13.665	1.00	0.07
ATOM	3329	CG2	VAL	A	366	29.998	-7.092	11.582	1.00	0.09
ATOM	3330	С	VAL	A	366	30.427	-	13.030	1.00	0.01
		_			1	001121	10.653	15.050	1.00	0.01
ATOM	3331	0	VAL	A	366	29.388	- 11.264	12.747	1.00	0.01
ATOM	3332	N	SER	A	367	31.218	10.967	14.038	1.00	0.01
ATOM	3334	CA	SER	A	367	31.284	12.311	14.608	1.00	0.01
ATOM	3335	СВ	SER	Α	367	32.695	- 12.811	14.376	1.00	0.02
ATOM	3336	OG	SER	Α	367	33.550	- 11.755	14.784	1.00	0.02
ATOM	3337	С	SER	A	367	30.928	- 12.353	16.091	1.00	0.00
ATOM	3338	0	SER	Α	367	31.261	13.332	16.778	1.00	0.01
ATOM	3339	N	LYS	A	368	30.497	11.208	16.600	1.00	0.01
ATOM	3341	CA	LYS	A	368	29.771	- 11.178	17.877	1.00	0.01
ATOM	3342	СВ	LYS	A	368	30.719	- 11.360	19.055	1.00	0.01
ATOM	3343	CG	LYS	Α	368	29.919	- 11.731	20.299	1.00	0.01
ATOM	3344	CD	LYS	A	368	29.108	- 12.999	20.048	1.00	0.01
ATOM	3345	CE	LYS	A	368	28.171	13.322	21.206	1.00	0.01
ATOM	3346	NZ	LYS	A	368	28.916	13.569	22.447	1.00	0.02
ATOM	3347	C	LYS	Α	368	28.985	-9.875	18.041	1.00	0.02
ATOM	3348	0	LYS	Α	368	29.441	-8.950	18.725	1.00	0.01
ATOM	3349	N	ALA	A	369	27.850	-9.782	17.369	1.00	0.01
ATOM	3351	CA	ALA	A	369	26.963	-8.618	17.546	1.00	0.01
ATOM	3352	CB	ALA	A	369	26.238	-8.345	16.235	1.00	0.01
ATOM	3353	С	ALA	A	369	25.949	-8.864	18.664	1.00	0.01
ATOM	3354	0	ALA	A	369	25.158	-9.812	18.592	1.00	0.02
ATOM	3355	N	THR	A	370	25.939	-7.993	19.662	1.00	0.01
ATOM	3357	CA	THR	A	370	25.101	-8.219	20.852	1.00	0.01
ATOM	3358	CB	THR	Α	370	25.947	-8.954	21.890	1.00	0.48

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ATOM	3359	OG1	THR	A	370	26.430	10 167	21.304	1.00	1.35
ATOM	3360	CG2	THR	A	370	25.143	10.157	23.131	1.00	1.10
ATOM		C			370		-9.328			1.19
	3361		THR	A		24.538	-6.927	21.465	1.00	0.01
ATOM	3362	0	THR	A	370	25.275	-6.052	21.941	1.00	0.01
ATOM	3363	N	HIS	A	371	23.217	-6.866	21.486	1.00	0.01
ATOM	3365	CA	HIS	A	371	22.455	-5.767	22.092	1.00	0.01
ATOM	3366	CB	HIS	A	371	21.330	-5.439	21.104	1.00	0.01
ATOM	3367	CG	HIS	A	371	20.200	-4.573	21.621	1.00	0.01
ATOM	3368	ND1	HIS	A	371	20.198	-3.234	21.750	1.00	0.01
ATOM	3370	CE1	HIS	A	371	19.017	-2.838	22.261	1.00	0.01
ATOM	3371	NE2	HIS	A	371	18.262	-3.943	22.450	1.00	0.01
ATOM	3372	CD2	HIS	A	371	18.976	-5.020	22.056	1.00	0.01
ATOM	3373	C	HIS	A	371	21.887	-6.179	23.457	1.00	0.01
ATOM	3374	0	HIS	A	371	21.726	-7.377	23.718	1.00	0.01
ATOM	3375	N	LYS	A	372	21.692	-5.220	24.351	1.00	0.01
ATOM	3377	CA	LYS	A	372	20.961	-5.502	25.600	1.00	0.01
ATOM ATOM	3378	CB	LYS	A	372	21.890	-6.097	26.651	1.00	0.01
	3379	CG	LYS	A	372	21.111	-6.441	27.917	1.00	0.01
ATOM ATOM	3380 3381	CD CE	LYS	A	372	22.006	-6.977	29.023	1.00	0.01
		NZ	LYS	A	372	21.187	-7.286	30.270	1.00	0.01
ATOM	3382 3383	C	LYS	A	372	22.038	-7.707	31.393	1.00	0.00
					372	20.295	-4.252	26.174	1.00	0.01
ATOM	3384	0	LYS	A	372	20.979	-3.322	26.625	1.00	0.01
ATOM	3385	N	ALA	A	373	18.972	-4.272	26.212	1.00	0.02
ATOM	3387	CA	ALA	A	373	18.209	-3.152	26.778	1.00	0.01
ATOM	3388	CB	ALA	A	373	17.019	-2.865	25.872	1.00	0.01
ATOM ATOM	3389 3390	0	ALA ALA	A	373	17.735	-3.444	28.206	1.00	0.01
ATOM	3391	N	VAL	A	373	17.267	-4.549	28.512	1.00	0.01
ATOM	3393	CA	VAL	A	374	17.925 17.524	-2.470	29.083	1.00	0.01
ATOM	3394	CB	VAL	A	374	18.783	-2.612 -2.646	30.496	1.00	0.01
ATOM	3395	CG1	VAL	A	374	18.454	-3.123	31.364	1.00	0.01
ATOM	3396	CG2	VAL	A	374	19.876	-3.123	30.769	1.00	0.01
ATOM	3397	C	VAL	A	374	16.649	-1.435	30.769	1.00	0.01
ATOM	3398	0	VAL	A	374	17.059	-0.273	30.931	1.00	0.01
ATOM	3399	N	LEU	A	375	15.489	-1.738	31.512	1.00	0.01
ATOM	3401	CA	LEU	A	375	14.565	-0.695	31.983	1.00	0.02
ATOM	3402	CB	LEU	A	375	13.288	-0.778	31.165	1.00	0.01
ATOM	3403	CG	LEU	A	375	12.297	0.324	31.521	1.00	0.01
ATOM	3404	CD1	LEU	A	375	12.882	1.700	31.229	1.00	0.01
ATOM	3405	CD2	LEU	A	375	10.991	0.130	30.767	1.00	0.00
ATOM	3406	C	LEU	A	375	14.170	-0.871	33.443	1.00	0.00
ATOM	3407	0	LEU	A	375	13.437	-1.802	33.796	1.00	0.01
ATOM	3408	N	ASP	A	376	14.540	0.096	34.262	1.00	0.02
ATOM	3410	CA	ASP	A	376	14.090	0.090	35.653	1.00	0.02
ATOM	3411	CB	ASP	A	376	15.157	0.722	36.539	1.00	0.02
ATOM	3412	CG	ASP	A	376	14.646	0.722	37.978	1.00	1.01
ATOM	3413	OD1	ASP	A	376	14.721	-0.232	38.650	1.00	1.53
ATOM	3414	OD2	ASP	A	376	14.109	1.826	38.344	1.00	1.55
ATOM	3415	C	ASP	A	376	12.779	0.859	35.806	1.00	0.01
ATOM	3416	0	ASP	A	376	12.756	2.099	35.767	1.00	0.02
ATOM	3417	N	VAL	A	377	11.702	0.116	36.010	1.00	0.02
ATOM	3419	CA	VAL	A	377	10.405	0.746	36.276	1.00	0.01
ATOM	3420	CB	VAL	A	377	9.297	-0.111	35.676	1.00	0.54
ATOM	3421	CG1	VAL	A	377	7.930	0.537	35.872	1.00	0.52
ATOM	3422	CG2	VAL	A	377	9.551	-0.371	34.197	1.00	0.52
ATOM	3423	C	VAL	A	377	10.184	0.903	37.779	1.00	0.02
1110111	_ 140		11111	1.4.	1 3//	10.104	0.705	21.119	1.00	0.02

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ATOM	3424	0	VAL	Α	377	9.720	-0.020	38.459	1.00	0.00
ATOM	3425	N	SER	Α	378	10.590	2.055	38.282	1.00	0.01
ATOM	3427	CA	SER	Α	378	10.411	2.405	39.699	1.00	0.02
ATOM	3428	CB	SER	A	378	11.661	3.126	40.188	1.00	0.91
ATOM	3429	OG	SER	Α	378	11.816	4.305	39.406	1.00	1.28
ATOM	3430	C	SER	Α	378	9.200	3.317	39.861	1.00	0.00
ATOM	3431	0	SER	A	378	8.473	3.549	38.890	1.00	0.01
ATOM	3432	N	GLU	Α	379	8.933	3.762	41.081	1.00	0.02
ATOM	3434	CA	GLU	Α	379	7.850	4.742	41.287	1.00	0.02
ATOM	3435	CB	GLU	Α	379	7.299	4.673	42.710	1.00	0.02
ATOM	3436	CG	GLU	Α	379	6.699	3.326	43.083	1.00	0.02
ATOM	3437	CD	GLU	Α	379	7.621	2.653	44.083	1.00	0.02
ATOM	3438	OE1	GLU	Α	379	8.796	3.005	44.070	1.00	0.02
ATOM	3439	OE2	GLU	Α	379	7.165	1.780	44.802	1.00	0.02
ATOM	3440	С	GLU	Α	379	8.405	6.144	41.093	1.00	0.00
ATOM	3441	0	GLU	Α	379	7.702	7.072	40.671	1.00	0.02
ATOM	3442	N	GLU	Α	380	9.660	6.274	41.489	1.00	0.01
ATOM	3444	CA	GLU	Α	380	10.451	7.489	41.291	1.00	0.00
ATOM	3445	CB	GLU	Α	380	10.535	8.262	42.607	1.00	1.77
ATOM	3446	CG	GLU	A	380	9.195	8.834	43.055	1.00	2.64
ATOM	3447	CD	GLU	Α	380	9.342	9.500	44.420	1.00	3.00
ATOM	3448	OE1	GLU	Α	380	9.953	8.886	45.286	1.00	3.53
ATOM	3449	OE2	GLU	Α	380	8.737	10.548	44.608	1.00	3.27
ATOM	3450	C	GLU	Α	380	11.858	7.081	40.876	1.00	0.02
ATOM	3451	0	GLU	Α	380	12.452	6.198	41.508	1.00	0.02
ATOM	3452	N	GLY	Α	381	12.322	7.613	39.759	1.00	0.02
ATOM	3454	CA	GLY	A	381	13.704	7.367	39.336	1.00	0.02
ATOM	3455	C	GLY	Α	381	14.645	8.022	40.337	1.00	0.01
ATOM	3456	0	GLY	A	381	15.354	7.349	41.094	1.00	0.02
ATOM	3457	N	THR	A	382	14.639	9.342	40.330	1.00	0.01
ATOM	3459	CA	THR	Α	382	15.374	10.092	41.346	1.00	0.01
ATOM	3460	CB	THR	Α	382	15.537	11.538	40.880	1.00	0.02
ATOM	3461	OG1	THR	A	382	16.095	12.288	41.953	1.00	0.01
ATOM	3462	CG2	THR	A	382	14.199	12.173	40.517	1.00	0.02
ATOM	3463	С	THR	A	382	14.621	10.051	42.671	1.00	0.00
ATOM	3464	0	THR	A	382	13.390	9.952	42.703	1.00	0.02
ATOM	3465	N	GLU	A	383	15.377	10.089	43.756	1.00	0.01
ATOM	3467	CA	GLU	Α	383	14.787	10.186	45.091	1.00	0.01
ATOM	3468	CB	GLU	Α	383	15.725	9.519	46.089	1.00	0.02
ATOM	3469	CG	GLU	Α	383	15.867	8.028	45.806	1.00	0.00
ATOM	3470	CD	GLU	A	383	16.883	7.415	46.763	1.00	0.01
ATOM	3471	OE1	GLU	Α	383	18.064	7.506	46.455	1.00	0.02
ATOM	3472	OE2	GLU	A	383	16.468	6.881	47.781	1.00	0.01
ATOM	3473	С	GLU	A	383	14.521	11.633	45.523	1.00	0.01
ATOM	3474	0	GLU	A	383	14.041	11.842	46.642	1.00	0.01
ATOM	3475	N	ALA	A	384	14.842	12.614	44.689	1.00	0.01
ATOM	3477	CA	ALA	A	384	14.536	14.000	45.044	1.00	0.01
ATOM	3478	CB	ALA	A	384	15.301	14.930	44.110	1.00	0.01
ATOM	3479	C	ALA	A	384	13.039	14.246	44.909	1.00	0.01
ATOM	3480	0	ALA	A	384	12.393	13.719	43.996	1.00	0.02
ATOM	3481	N	THR	A	385	12.506	15.026	45.832	1.00	0.01
ATOM	3483	CA	THR	A	385	11.069	15.321	45.844	1.00	0.01
ATOM	3484	CB	THR	A	385	10.739	16.039	47.151	1.00	0.38
ATOM	3485	OG1	THR	A	385	11.064	15.161	48.221	1.00	1.48
ATOM	3486	CG2	THR	A	385	9.258	16.388	47.268	1.00	1.35
ATOM	3487	C	THR	A	385	10.675	16.184	44.648	1.00	0.02
	3488	0	THR	A	385	11.220	17.273	44.436	1.00	0.01
ATOM	3489	N	ALA	A	386	9.765	15.650	43.850	1.00	0.00

ATOM 3491 CA ALA A 386 8,398 15,407 41,855 1,00 0,02 ATOM 3492 CB ALA A 386 8,369 17,551 43,126 1,00 0,02 ATOM 3493 C ALA A 386 8,369 17,551 43,126 1,00 0,03 ATOM 3494 O ALA A 386 8,369 17,551 43,126 1,00 0,03 ATOM 3495 N ALA A 387 8,167 18,475 42,201 1,00 0,01 ATOM 3495 N ALA A 387 8,167 18,475 42,201 1,00 0,01 ATOM 3495 N ALA A 387 7,315 19,643 42,456 1,00 0,01 ATOM 3498 CB ALA A 387 7,315 19,643 42,456 1,00 0,01 ATOM 3498 CB ALA A 387 7,315 19,643 42,456 1,00 0,02 ATOM 3490 C ALA A 387 5,903 19,213 42,841 1,00 0,02 ATOM 3500 O ALA A 387 5,903 19,213 42,841 1,00 0,02 ATOM 3501 N THR A 388 3,936 19,603 44,282 1,00 0,02 ATOM 3501 N THR A 388 3,936 19,603 44,282 1,00 0,02 ATOM 3504 CB THR A 388 3,938 10,20,215 45,670 1,00 0,52 ATOM 3505 OGI THR A 388 4,892 19,727 46,479 1,00 0,69 ATOM 3505 OGI THR A 388 4,892 19,727 46,479 1,00 0,69 ATOM 3505 OGI THR A 388 2,391 21,223 43,457 1,00 0,02 ATOM 3509 N THR A 388 2,391 21,223 43,457 1,00 0,01 ATOM 3509 N THR A 388 2,391 21,223 43,457 1,00 0,01 ATOM 3509 N THR A 389 2,504 19,221 42,431 1,00 0,01 ATOM 3509 N THR A 389 2,504 19,221 42,431 1,00 0,01 ATOM 3509 N THR A 389 2,504 19,221 42,431 1,00 0,01 ATOM 3512 CB THR A 389 1,383 19,495 41,527 1,00 0,01 ATOM 3512 CB THR A 389 1,383 19,495 41,527 1,00 0,01 ATOM 3511 CA THR A 389 1,381 17,323 40,528 1,00 1,12 ATOM 3515 C THR A 389 0,004 18,073 42,891 1,00 0,16 ATOM 3515 C THR A 389 0,004 18,073 42,891 1,00 0,16 ATOM 3515 C THR A 389 0,004 18,073 42,891 1,00 0,16 ATOM 3515 C THR A 389 0,004 18,073 42,891 1,00 0,16 ATOM 3515 C THR A 389 0,004 18,073 42,891 1,00 0,10 ATOM 3515 C THR A 389 0,004 18,073 42,891 1,00 0,10 ATOM 3515 C THR A 389 0,004 18,073 42,891 1,00 0,10 ATOM 3515 C THR A 390 0,988 18,883 14,971 1,00 0,10 ATOM 3515 C THR A 390 0,988 18,883 1,991 1,00 0,00 ATOM 3520 CB THR A 390 0,988 18,883 1,991 1,00 0,00 ATOM 3521 CB THR A 390 -2,260 19,577 42,572 1,00 0,02 ATOM 3521 CG THR A 390 -2,260 2,444 44,612 1,00 0,00 ATOM 3522 CG THR A 390 -3,772 2,0210 44,494 1,00 1,27 ATOM 3530 CD THR A 390 -3,986 1,00 0,44 43,64 1,0											
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ATOM 3495 N ALA A 386 7.949 17.640 44.287 1.00 0.02	ATOM	3492		ALA	A	386	8.398	15.407	41.855	1.00	0.42
ATOM 3495 N ALA A 386 7.949 17.640 44.287 1.00 0.02	ATOM .	3493	С	ALA	Α	386	8.369	17.551	43.126	1.00	0.03
ATOM 3497 CA ALA A 387 7.315 19.643 42.456 1.00 0.01 ATOM 3498 CB ALA A 387 7.267 20.502 41.198 1.00 0.02 ATOM 3499 C ALA A 387 5.903 19.213 42.841 1.00 0.01 ATOM 3500 O ALA A 387 5.970 18.228 42.314 1.00 0.02 ATOM 3501 N THR A 388 3.385 19.603 44.282 1.00 0.02 ATOM 3501 N THR A 388 3.846 19.603 44.282 1.00 0.01 ATOM 3503 CA THR A 388 3.886 19.603 44.282 1.00 0.01 ATOM 3504 CB THR A 388 3.830 20.215 45.670 1.00 0.65 ATOM 3505 OGI THR A 388 4.892 19.727 46.479 1.00 0.64 ATOM 3506 CG2 THR A 388 2.511 19.810 46.324 1.00 0.69 ATOM 3507 C THR A 388 2.866 20.085 43.362 1.00 0.02 ATOM 3508 O THR A 388 2.504 19.221 42.431 1.00 0.01 ATOM 3509 N THR A 389 2.504 19.221 42.431 1.00 0.01 ATOM 3511 CA THR A 389 1.383 19.495 41.527 1.00 0.02 ATOM 3512 CB THR A 389 1.577 18.714 40.233 1.00 1.6 ATOM 3515 CC THR A 389 1.515 17.323 40.528 1.00 1.6 ATOM 3516 O THR A 389 0.004 18.073 42.891 1.00 0.02 ATOM 3516 O THR A 389 0.004 18.073 42.891 1.00 0.02 ATOM 3517 N THR A 389 0.004 18.073 42.891 1.00 0.02 ATOM 3519 CC THR A 389 0.004 18.073 42.891 1.00 0.02 ATOM 3510 OTHR A 389 0.004 18.073 42.891 1.00 0.02 ATOM 3517 N THR A 390 -2.260 19.577 42.572 1.00 0.02 ATOM 3520 CB THR A 390 -3.772 20.210 44.494 1.00 1.29 ATOM 3520 CB THR A 390 -3.782 20.210 44.494 1.00 1.29 ATOM 3521 OTHR A 390 -3.795 20.49 41.338 1.00 0.02 ATOM 3522 CG THR A 390 -3.792 20.210 44.499 1.00 0.02 ATOM 3531 CE LYS A 391 -4.297 17.698 38.6	ATOM	3494		ALA	A		7.949	17.640	44.287	1.00	0.02
ATOM 3497 CA ALA A 387 7.315 19.643 42.456 1.00 0.01 ATOM 3498 CB ALA A 387 7.267 20.502 41.198 1.00 0.02 ATOM 3499 C ALA A 387 5.903 19.213 42.841 1.00 0.02 ATOM 3500 O ALA A 387 5.970 18.228 42.314 1.00 0.02 ATOM 3501 N THR A 388 3.814 19.953 43.764 1.00 0.02 ATOM 3501 N THR A 388 3.846 19.603 44.282 1.00 0.01 ATOM 3503 CA THR A 388 3.830 20.215 45.670 1.00 0.052 ATOM 3504 CB THR A 388 4.892 19.727 46.479 1.00 0.65 ATOM 3505 OGI THR A 388 4.892 19.727 46.479 1.00 0.65 ATOM 3505 OGI THR A 388 2.511 19.810 46.324 1.00 0.05 ATOM 3507 C THR A 388 2.866 20.085 43.362 1.00 0.02 ATOM 3508 O THR A 388 2.504 19.221 42.431 1.00 0.01 ATOM 3509 N THR A 389 2.504 19.221 42.431 1.00 0.01 ATOM 3510 CA THR A 389 1.383 19.495 41.527 1.00 0.02 ATOM 3511 CA THR A 389 1.577 18.714 40.233 1.00 0.12 ATOM 3513 OGI THR A 389 1.515 17.323 40.528 1.00 0.12 ATOM 3516 C THR A 389 2.927 19.015 39.592 1.00 0.12 ATOM 3517 N THR A 389 0.004 18.073 42.891 1.00 0.01 ATOM 3519 CA THR A 389 0.004 18.073 42.891 1.00 0.02 ATOM 3510 CB THR A 389 0.004 18.073 42.891 1.00 0.02 ATOM 3511 CG THR A 389 0.004 18.073 42.891 1.00 0.02 ATOM 3515 C THR A 389 0.004 18.073 42.891 1.00 0.02 ATOM 3517 N THR A 390 -0.588 19.883 41.991 1.00 0.01 ATOM 3520 CB THR A 390 -3.772 20.210 44.494 1.00 1.29 ATOM 3521 CG THR A 390 -3.772 20.210 44.494 1.00 1.29 ATOM 3522 CG THR A 390 -3.795 20.494 41.338 1.00 0.02 ATOM 3531 CE LYS A 391 -4.297 7	ATOM	3495	N	ALA	A	387	8.167	18.475	42.201	1.00	0.01
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ATOM 3528 CB											
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ATOM 3530 CD LYS A 391 -2.706 17.653 36.732 1.00 2.13 ATOM 3531 CE LYS A 391 -1.480 18.312 36.110 1.00 2.60 ATOM 3532 NZ LYS A 391 -0.340 18.271 37.038 1.00 3.28 ATOM 3533 C LYS A 391 -6.011 18.011 40.516 1.00 0.02 ATOM 3534 C LYS A 391 -6.010 18.011 40.516 1.00 0.02 ATOM 3535 N PHE A 392 -7.107 18.653 40.155 1.00 0.01 ATOM 3535 N PHE A 392 -8.408 18.332 40.749 1.00 0.01 ATOM 3538 CB PHE A 392 -8.408 18.332 40.749 1.00 0.01 ATOM 3538 CB PHE A 392 -8.787 20.807 41.183 1.00 0.12 ATOM 3539 CG PHE A 392 -8.787 20.807 41.183 1.00 0.14 ATOM 3539 CG PHE A 392 -8.513 21.914 40.390 1.00 0.02 ATOM 3541 CEI PHE A 392 -8.813 21.914 40.390 1.00 0.02 ATOM 3543 CEZ PHE A 392 -8.808 22.020 43.128 1.00 0.33 ATOM 3543 CEZ PHE A 392 -7.782 23.126 42.336 1.00 0.35 ATOM 3544 CDZ PHE A 392 -8.560 20.861 42.552 1.00 0.02 ATOM 3545 CEZ PHE A 392 -8.902 1.6193 38.937 1.00 0.02 ATOM 3546 O PHE A 392 -9.271 16.983 38.937 1.00 0.02 ATOM 3549 CA LIE A 393 -9.241 16.102 41.016 1.00 0.02 ATOM 3559 CB LIE A 393 -9.669 1.3720 41.379 1.00 0.02 ATOM 3551 CG LIE A 393 -7.618 13.771 41.666 1.00 0.02 ATOM 3555 CD LIE A 393 -8.681 12.724 41.862 1.00 0.03 ATOM 3555 CD LIE A 393 -8.681 12.724 41.862 1.00 0.00 ATOM 3555 CD LIE A 393 -8.681 12.724 41.862 1.00 0.00 ATOM 3555 CD LIE A 393 -8.681 12.724 41.862 1.00 0.00 ATOM 3555 CD LIE A 393 -8.681 12.724 41.862 1.00 0.00 ATOM 3555 CD LIE A 393 -8.681 12.724 41.862 1.00 0.00 ATOM 3555 CD											
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11.330	ATOM	3554	C	ILE	A	393		14.807	40.954	1.00	0.02
		L			L		11.330		L	L	

ATOM	3555	0	ILE	A	393	11.736	15.082	42.089	1.00	0.02
ATOM	3556	N	VAL	A	394	12.137	14.553	39.937	1.00	0.02
ATOM	3558	CA	VAL	A	394	13.579	14.400	40.147	1.00	0.02
ATOM	3559	СВ	VAL	A	394	14.274	14.489	38.787	1.00	1.05
ATOM	3560	CG1	VAL	A	394	15.768	14.192	38.854	1.00	1.37
ATOM	3561	CG2	VAL	A	394	14.052	15.872	38.188	1.00	1.35
ATOM	3562	C	VAL	A	394	13.848	13.075	40.863	1.00	0.02
ATOM	3563	0	VAL	A	394	13.339	12.021	40.472	1.00	0.00
ATOM	3564	N	ARG	A	395	14.678	13.150	41.893	1.00	0.02
ATOM	3566	CA	ARG	A	395	14.955	12.017	42.792	1.00	0.02
ATOM	3567	СВ	ARG	A	395	15.414	12.644	44.108	1.00	1.17
ATOM	3568	CG	ARG	Α	395	15.493	11.662	45.273	1.00	1.69
ATOM	3569	CD	ARG	A	395	16.026	12.350	46.524	1.00	2.28
ATOM	3570	NE	ARG	A	395	17.365	12.912	46.275	1.00	2.83
ATOM	3571	CZ	ARG	A	395	17.679	14.191	46.492	1.00	3.34
ATOM	3572	NHI	ARG	A	395	16.753	15.040	46.945	1.00	3.83
ATOM	3573	NH2	ARG	A	395	18.915	14.626	46.237	1.00	3.68
ATOM	3574	С	ARG	A	395	16.021	11.035	42.266	1.00	0.02
ATOM	3575	0	ARG	A	395	16.340	10.047	42.939	1.00	0.02
ATOM	3576	N	SER	A	396	16.547	11.286	41.077	1.00	0.01
ATOM	3578	CA	SER	A	396	17.573	10.408	40.497	1.00	0.01
ATOM	3579	СВ	SER	A	396	18.008	10.956	39.140	1.00	0.02
ATOM	3580	OG	SER	A	396	16.889	10.942	38.261	1.00	0.00
ATOM	3581	С	SER	A	396	17.044	8.988	40.324	1.00	0.02
ATOM	3582	0	SER	A	396	15.959	8.777	39.774	1.00	0.01
ATOM	3583	N	LYS	A	397	17.903	8.025	40.616	1.00	0.01
ATOM	3585	CA	LYS	A	397	17.504	6.608	40.597	1.00	0.01
ATOM	3586	СВ	LYS	A	397	18.483	5.845	41.476	1.00	0.53
ATOM	3587	CG	LYS	A	397	18.443	6.404	42.894	1.00	0.99
ATOM	3588	CD	LYS	A	397	-	5.717	43.811	1.00	1.27

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ATOM	3589	CE	LYS	A	397	19.445	6.301	45.218	1.00	1.17
ATOM	3389	CE	LIS	A	397	19.381	0.301	43.216	1.00	1.17
ATOM	3590	NZ	LYS	A	397	19.656	7.748	45.199	1.00	1.92
ATOM	3591	С	LYS	A	397	17.456	5.995	39.195	1.00	0.02
ATOM	3592	0	LYS	A	397	17.020	4.854	39.020	1.00	0.02
ATOM	3593	N	ASP	A	398	17.852	6.773	38.200	1.00	0.53
ATOM	3595	CA	ASP	A	398	17.694	6.369	36.803	1.00	1.04
ATOM	3596	СВ	ASP	A	398	18.868	6.954	36.019	1.00	1.51
ATOM	3597	CG	ASP	A	398	18.826	6.533	34.554	1.00	1.90
ATOM	3598	OD1	ASP	A	398	18.447	7.362	33.738	1.00	2.32
ATOM	3599	OD2	ASP	A	398	19.301	5.443	34.265	1.00	2.30
ATOM	3600	С	ASP	A	398	16.367	6.900	36.246	1.00	1.10
ATOM	3601	0	ASP	A	398	15.881	6.413	35.218	1.00	1.33
ATOM	3602	N	GLY	A	399	15.729	7.791	36.992	1.00	0.35
ATOM	3604	CA	GLY	A	399	14.472	8.400	36.545	1.00	0.43
ATOM	3605	С	GLY	A	399	13.299	7.483	36.865	1.00	0.38
ATOM	3606	0	GLY	A	399	12.968	6.607	36.055	1.00	0.43
ATOM	3607	N	PRO	A	400	12.657	7.729	38.000	1.00	0.02
ATOM	3608	CA	PRO	A	400	- 11.593	6.852	38.509	1.00	0.00
ATOM	3609	CB	PRO	A	400	11.054	7.548	39.717	1.00	0.02
ATOM	3610	CG	PRO	A	400	11.911	8.768	40.023	1.00	0.03
ATOM	3611	CD	PRO	A	400	12.932	8.851	38.902	1.00	0.03
ATOM	3612	С	PRO	Α	400	12.127	5.475	38.879	1.00	0.01
ATOM	3613	0	PRO	A	400	12.521	5.237	40.026	1.00	0.00
ATOM	3614	N	SER	A	401	12.080	4.568	37.919	1.00	0.02
ATOM	3616	CA	SER	Α	401	12.717	3.268	38.096	1.00	0.01
ATOM	3617	CB	SER	A	401	13.842	3.213	37.071	1.00	2.33
ATOM	3618	OG	SER	A	401	14.658	4.361	37.292	1.00	3.03
ATOM	3619	С	SER	A	401	- 11.770	2.090	37.914	1.00	0.02
ATOM	3620	0	SER	A	401	10.675	2.214	37.356	1.00	0.01

ATOM	3621	N	TYR	A	402	12.326	0.933	38.231	1.00	1.42
ATOM	3623	CA	TYR	A	402	11.639	-0.367	38.268	1.00	1.57
ATOM	3624	СВ	TYR	A	402	12.601	-1.427	38.863	1.00	1.62
ATOM	3625	CG	TYR	A	402	14.106	-1.543	38.474	1.00	2.37
ATOM	3626	CD1	TYR	A	402	14.922	-2.337	39.277	1.00	3.23
ATOM	3627	CE1	TYR	A	402	16.272	-2.486	38.985	1.00	4.33
ATOM	3628	CZ	TYR	A	402	16.815	-1.847	37.882	1.00	4.54
ATOM	3629	ОН	TYR	Α	402	- 18.149	-2.013	37.577	1.00	5.70
ATOM	3630	CE2	TYR	A	402	16.013	-1.065	37.065	1.00	3.73
ATOM	3631	CD2	TYR	A	402	14.663	-0.922	37.358	1.00	2.65
ATOM	3632	С	TYR	A	402	10.998	-0.872	36.963	1.00	1.61
ATOM	3633	0	TYR	A	402	-9.774	-0.749	36.800	1.00	2.21
ATOM	3634	N	PHE	A	403	11.818	-1.232	35.982	1.00	1.32
ATOM	3636	CA	PHE	A	403	11.365	-2.043	34.842	1.00	1.54
ATOM	3637	СВ	PHE	A	403	12.592	-2.504	34.059	1.00	1.10
ATOM	3638	CG	PHE	A	403	13.556	-3.460	34.757	1.00	1.20
ATOM	3639	CD1	PHE	A	403	14.908	-3.425	34.434	1.00	1.54
ATOM	3640	CEI	PHE	A	403	- 15.794	-4.301	35.048	1.00	2.04
ATOM	3641	CZ	PHE	A	403	15.324	-5.218	35.978	1.00	2.06
ATOM	3642	CE2	PHE	A	403	- 13.972	-5.270	36.291	1.00	1.68
ATOM	3643	CD2	PHE	A	403	13.086	-4.394	35.674	1.00	1.35
ATOM	3644	С	PHE	A	403	10.458	-1.342	33.840	1.00	1.40
ATOM	3645	0	PHE	A	403	-9.673	-2.022	33.171	1.00	2.11
ATOM	3646	N	THR	A	404	10.380	-0.022	33.889	1.00	1.47
ATOM	3648	CA	THR	A	404	-9.645	0.688	32.838	1.00	1.83
ATOM	3649	СВ	THR	A	404	10.219	2.093	32.686	1.00	1.26
ATOM	3650	OG1	THR	A	404	-9.975	2.812	33.891	1.00	1.46
ATOM	3651	CG2	THR	A	404	11.724	2.058	32.432	1.00	2.05
ATOM	3652	C	THR	A	404	-8.152	0.792	33.122	1.00	1.32
ATOM	3653	0	THR	A	404	-7.371	1.044	32.200	1.00	1.45
ATOM	3654	N CA	VAL	A	405	-7.747	0.528	34.352	1.00	0.00
ATOM ATOM	3656 3657	CA	VAL	A	405	-6.363 -6.383	0.806 2.110	34.721	1.00	0.02
	3037	CB	VAL	A	403	-0.363	2.110	35.488	1.00	0.02
ATOM	3658	CG1	VAL	A	405	-6.272	3.287	34.531	1.00	0.02

ATOM	3660	С	VAL	Α	405	-5.687	-0.287	35.537	1.00	0.01
ATOM	3661	0	VAL	A	405	-4.657	-0.029	36.177	1.00	0.00
ATOM	3662	N	SER	A	406	-6.268	-1.473	35.546	1.00	0.02
ATOM	3664	CA	SER	Α	406	-5.611	-2.602	36.206	1.00	0.02
ATOM	3665	CB	SER	A	406	-6.655	-3.585	36.743	1.00	2.03
ATOM	3666	OG	SER	A	406	-7.513	-3.997	35.685	1.00	2.68
ATOM	3667	C	SER	A	406	-4.638	-3.287	35.242	1.00	0.02
ATOM	3668	0	SER	Α	406	-5.017	-4.174	34.471	1.00	0.01
ATOM	3669	N	PHE	A	407	-3.364	-2.958	35.384	1.00	0.02
ATOM	3671	CA	PHE	Α	407	-2.322	-3.488	34.494	1.00	0.02
ATOM	3672	CB	PHE	A	407	-1.268	-2.413	34.235	1.00	0.01
ATOM	3673	CG	PHE	Α	407	-1.739	-1.291	33.311	1.00	0.02
ATOM	3674	CD1	PHE	A	407	-2.349	-0.155	33.828	1.00	0.02
ATOM	3675	CE1	PHE	A	407	-2.782	0.851	32.974	1.00	0.02
ATOM	3676	CZ	PHE	Α	407	-2.598	0.725	31.603	1.00	0.02
ATOM	3677	CE2	PHE	A	407	-1.977	-0.405	31.087	1.00	0.00
ATOM	3678	CD2	PHE	Α	407	-1.548	-1.412	31.941	1.00	0.01
ATOM	3679	C	PHE	A	407	-1.682	-4.760	35.045	1.00	0.02
ATOM	3680	0	PHE	A	407	-0.462	-4.949	34.979	1.00	0.02
ATOM	3681	N	ASN	A	408	-2.517	-5.611	35.619	1.00	0.02
ATOM	3683	CA	ASN	A	408	-2.054	-6.901	36.120	1.00	0.02
ATOM	3684	CB	ASN	A	408	-2.829	-7.317	37.375	1.00	0.02
ATOM	3685	CG	ASN	A	408	-4.294	-7.673	37.106	1.00	0.01
ATOM	3686	OD1	ASN	A	408	-5.030	-6.943	36.432	1.00	0.01
ATOM	3687	ND2	ASN	A	408	-4.709	-8.787	37.681	1.00	0.02
ATOM	3690	C	ASN	A	408	-2.170	-7.944	35.014	1.00	0.02
ATOM	3691	0	ASN	A	408	-1.639	-9.047	35.153	1.00	0.00
ATOM	3692	N	ARG	A	409	-2.855	-7.619	33.932	1.00	0.00
ATOM	3694	CA	ARG	A	409	-2.766	-8.471	32.743	1.00	0.01
ATOM	3695	CB	ARG	A	409	-4.057	-8.395	31.946	1.00	1.08
ATOM ATOM	3696 3697	CD	ARG	A	409 409	-5.240	-8.876	32.774	1.00	1.16
ATOM	3698	NE	ARG ARG	A	409	-6.500 -6.792	-8.955 -7.655	31.924	1.00	1.61
ATOM	3699	CZ	ARG	A	409	-8.026	-7.155	31.304	1.00	1.42
ATOM	3700	NH1	ARG	A	409	-9.060	-7.133	31.703	1.00	2.76
ATOM	3701	NH2	ARG	A	409	-8.225	-5.967	30.641	1.00	2.23
ATOM	3702	C	ARG	A	409	-1.585	-8.014	31.893	1.00	0.00
ATOM	3703	0	ARG	A	409	-1.125	-6.876	32.038	1.00	0.00
ATOM	3704	N	THR	A	410	-1.078	-8.921	31.074	1.00	0.01
ATOM	3706	CA	THR	A	410	0.062	-8.630	30.187	1.00	0.01
ATOM	3707	СВ	THR	A	410	0.301	-9.867	29.326	1.00	0.83
ATOM	3708	OG1	THR	Α	410	0.808	-	30.181	1.00	1.17
							10.886			
ATOM	3709	CG2	THR	A	410	1.328	-9.629	28.222	1.00	1.37
ATOM	3710	C	THR	A	410	-0.176	-7.399	29.309	1.00	0.01
ATOM	3711	0	THR	Α	410	-1.183	-7.305	28.596	1.00	0.01
ATOM	3712	N	PHE	A	411	0.744	-6.451	29.403	1.00	0.01
ATOM	3714	CA	PHE	A	411	0.617	-5.191	28.656	1.00	0.01
ATOM	3715	CB	PHE	Α	411	0.284	-4.049	29.619	1.00	0.01
ATOM	3716	CG	PHE	Α	411	1.295	-3.780	30.733	1.00	0.01
ATOM	3717	CD1	PHE	Α	411	2.346	-2.897	30.519	1.00	0.01
ATOM	3718	CE1	PHE	A	411	3.263	-2.650	31.531	1.00	0.00
ATOM	3719	CZ	PHE	A	411	3.126	-3.277	32.761	1.00	0.01
ATOM	3720	CE2	PHE	A	411	2.068	-4.147	32.981	1.00	0.01
ATOM	3721	CD2	PHE	A	411	1.150	-4.394	31.970	1.00	0.00
ATOM	3722	C	PHE	Α	411	1.860	-4.851	27.829	1.00	0.00
ATOM	3723	0	PHE	A	411	2.999	-5.206	28.160	1.00	0.02
ATOM	3724	N	LEU	Α	412	1.605	-4.136	26.747	1.00	0.00

ATOM	3726	CA	LEU	Α	412	2.650	-3.710	25.810	1.00	0.01
ATOM	3727	CB	LEU	A	412	1.984	-3.656	24.432	1.00	0.51
ATOM	3728	CG	LEU	A	412	2.939	-3.528	23.245	1.00	0.86
ATOM	3729	CD1	LEU	A	412	2.345	-4.205	22.018	1.00	1.15
ATOM	3730	CD2	LEU	Α	412	3.308	-2.081	22.925	1.00	0.92
ATOM	3731	C	LEU	Α	412	3.213	-2.348	26.222	1.00	0.01
ATOM	3732	0	LEU	Α	412	2.461	-1.415	26.530	1.00	0.01
ATOM	3733	N	MET	A	413	4.531	-2.250	26.239	1.00	0.01
ATOM	3735	CA	MET	A	413	5.195	-0.983	26.574	1.00	0.01
ATOM	3736.	CB	MET	A	413	6.310	-1.226	27.579	1.00	1.42
ATOM	3737	CG	MET	Α	413	5.775	-1.694	28.923	1.00	0.91
ATOM	3738	SD	MET	A	413	7.002	-1.688	30.246	1.00	1.58
ATOM	3739	CE	MET	A	413	7.448	0.062	30.175	1.00	1.14
ATOM	3740	C	MET	A	413	5.794	-0.307	25.345	1.00	0.01
ATOM	3741	0	MET	A	413	6.388	-0.960	24.477	1.00	0.01
ATOM	3742	N	MET	A	414	5.672	1.008	25.312	1.00	0.00
ATOM	3744	CA	MET	A	414	6.255	1.792	24.217	1.00	0.01
ATOM	3745	CB	MET	A	414	5.197	1.954	23.136	1.00	0.42
ATOM	3746	CG	MET	A	414	5.704	2.789	21.970	1.00	1.17
ATOM	3747	SD	MET	A	414	4.608	2.810	20.538	1.00	1.20
ATOM	3748 3749	CE C	MET	A	414	3.065 6.756	3.254	21.366	1.00	1.92 0.01
ATOM	3749	0	MET	A	414	5.983	4.113	24.830	1.00	0.01
ATOM	3751	N	ILE	A	414	8.056	3.254	24.884	1.00	0.00
ATOM	3753	CA	ILE	A	415	8.657	4.526	25.303	1.00	0.01
ATOM	3754	CB	ILE	A	415	9.842	4.231	26.216	1.00	0.01
ATOM	3755	CG2	ILE	A	415	10.545	5.519	26.637	1.00	0.24
ATOM	3756	CG1	ILE	A	415	9.380	3.452	27.440	1.00	0.21
ATOM	3757	CDI	ILE	A	415	10.537	3.177	28.391	1.00	0.15
ATOM	3758	C C	ILE	A	415	9.107	5.320	24.080	1.00	0.01
ATOM	3759	0	ILE	A	415	10.024	4.907	23.359	1.00	0.01
ATOM	3760	N	THR	A	416	8.448	6.441	23.843	1.00	0.01
ATOM	3762	CA	THR	Α	416	8.748	7.254	22.658	1.00	0.01
ATOM	3763	CB	THR	Α	416	7.446	7.408	21.881	1.00	0.52
ATOM	3764	OG1	THR	Α	416	6.945	6.101	21.629	1.00	1.01
ATOM	3765	CG2	THR	A	416	7.639	8.117	20.543	1.00	1.12
ATOM	3766	C	THR	A	416	9.325	8.625	23.019	1.00	0.01
ATOM	3767	0	THR	A	416	8.744	9.378	23.811	1.00	0.01
ATOM	3768	N	ASN	A	417	10.471	8.931	22.433	1.00	0.01
ATOM	3770	CA	ASN	A	417	11.125	10.229	22.628	1.00	0.00
ATOM	3771	CB	ASN	A	417	12.543	10.132	22.075	1.00	0.31
ATOM	3772	CG	ASN	A	417	13.254	11.475	22.170	1.00	0.35
ATOM	3773	OD1	ASN	A	417	13.106	12.332	21.287	1.00	0.53
ATOM	3774	ND2	ASN	A	417	13.993	11.651	23.247	1.00	0.80
ATOM	3777	C	ASN	A	417	10.368	11.324	21.886	1.00	0.01
ATOM	3778	0	ASN	A	417	10.458	11.428	20.654	1.00	0.01
ATOM	3779	N	LYS	A	418	9.838	12.264	22.652	1.00	0.01
ATOM	3781	CA	LYS	A	418	8.989	13.311	22.075	1.00	0.01
ATOM	3782	CB	LYS	A	418	7.784	13.572	22.980	1.00	0.76
ATOM	3783	CG	LYS	A	418	8.047	14.546	24.124	1.00	1.20
ATOM	3784	CD	LYS	A	418	6.753	14.809	24.889	1.00	1.77
ATOM	3785	CE	LYS	A	418	6.773	16.139	25.636	1.00	2.20
ATOM	3786	NZ	LYS	A	418	7.850	16.191	26.631	1.00	2.37
ATOM	3787	C	LYS	A	418	9.760	14.602	21.778	1.00	0.01
ATOM	3788 3789	N	LYS ALA	A	418	9.154 11.081	15.632 14.546	21.459	1.00	0.02
					1 417	11.001	14.240	21.869	1.00	10.01
ATOM									1.00	0.00
ATOM ATOM	3791 3792	CA CB	ALA ALA	A	419 419	11.903 13.230	15.688 15.650	21.458 22.207	1.00	0.00

ATOM	3793	С	ALA	Α	419	12.154	15.589	19.955	1.00	0.00
ATOM	3794	0	ALA	Α	419	12.447	16.585	19.283	1.00	0.01
ATOM	3795	N	THR	A	420	12.051	14.367	19.461	1.00	0.01
ATOM	3797	CA	THR	A	420	11.991	14.108	18.023	1.00	0.01
ATOM	3798	CB	THR	A	420	13.262	13.400	17.537	1.00	0.00
ATOM	3799	OG1	THR	A	420	13.774	12.554	18.563	1.00	0.01
ATOM	3800	CG2	THR	A	420	14.365	14.406	17.226	1.00	0.01
ATOM	3801	C	THR	A	420	10.714	13.325	17.713	1.00	0.01
ATOM	3802	0	THR	A	420	9.651	13.924	17.516	1.00	0.01
ATOM	3803	N	ASP	A	421	10.836	12.009	17.632	1.00	0.01
ATOM	3805	CA	ASP	Α	421	9.695	11.108	17.393	1.00	0.01
ATOM	3806	CB	ASP	A	421	9.064	11.381	16.023	1.00	2.55
ATOM	3807	CG	ASP	Α	421	10.108	11.518	14.905	1.00	2.84
ATOM	3808	OD1	ASP	A	421	11.024	10.706	14.858	1.00	3.45
ATOM	3809	OD2	ASP	A	421	10.035	12.509	14.201	1.00	2.99
ATOM	3810	С	ASP	Α	421	10.143	9.649	17.489	1.00	0.01
ATOM	3811	0	ASP	A	421	9.368	8.722	17.223	1.00	0.01
ATOM	3812	N	GLY	A	422	11.387	9.459	17.893	1.00	0.01
ATOM	3814	CA	GLY	A	422	11.985	8.120	17.874	1.00	0.01
ATOM	3815	С	GLY	A	422	11.553	7.251	19.047	1.00	0.00
ATOM	3816	0	GLY	Α	422	11.748	7.617	20.212	1.00	0.00
ATOM	3817	N	ILE	Α	423	10.880	6.158	18.733	1.00	0.01
ATOM	3819	CA	ILE	Α	423	10.570	5.162	19.763	1.00	0.00
ATOM	3820	CB	ILE	A	423	9.661	4.089	19.179	1.00	0.37
ATOM	3821	CG2	ILE	A	423	9.305	3.046	20.234	1.00	0.32
ATOM	3822	CG1	ILE	Α	423	8.393	4.706	18.609	1.00	0.51
ATOM	3823	CD1	ILE	Α	423	7.475	3.623	18.059	1.00	0.70
ATOM	3824	C	ILE	A	423	11.871	4.534	20.242	1.00	0.01
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ATOM	3826	N	LEU	A	424	12.153	4.741	21.515	1.00	0.01
ATOM	3828	CA	LEU	A	424	13.420	4.322	22.094	1.00	0.01
ATOM	3829	CB	LEU	A	424	13.697	5.172	23.330	1.00	0.01
ATOM	3830	CG	LEU	A	424	13.710	6.667	23.041	1.00	0.01
ATOM	3831	CD1	LEU	A	424	13.732	7.462	24.342	1.00	0.01
ATOM	3832	CD2	LEU	A	424	14.884	7.057	22.149	1.00	0.01
ATOM	3833	С	LEU	Α	424	13.331	2.880	22.544	1.00	0.01
ATOM	3834	0	LEU	Α	424	14.291	2.125	22.369	1.00	0.01
ATOM	3835	N	PHE	A	425	12.153	2.486	23.003	1.00	0.01
ATOM	3837	CA	PHE	A	425	11.976	1.137	23.557	1.00	0.01
ATOM	3838	CB	PHE	A	425	12.132	1.207	25.071	1.00	0.01
ATOM	3839	CG	PHE	A	425	13.530	1.519	25.595	1.00	0.01
ATOM	3840	CD1	PHE	A	425	14.590	0.672	25.298	1.00	0.01
ATOM	3841	CE1	PHE	A	425	15.858	0.949	25.792	1.00	0.01
ATOM	3842	CZ	PHE	A	425	16.065	2.071	26.583	1.00	0.01
ATOM	3843	CE2	PHE	A	425	15.004	2.917	26.879	1.00	0.01
ATOM	3844	CD2	PHE	A	425	13.737	2.640	26.387	1.00	0.01
ATOM	3845	C	PHE	A	425	10.607	0.524	23.279	1.00	0.00
ATOM	3846	O	PHE	A	425	9.567	1.094	23.639	1.00	0.01
ATOM	3847	N	LEU	A	426	10.635	-0.688	22.751	1.00	0.00
ATOM	3849	CA	LEU	A	426	9.418	-1.500	22.604	1.00	0.01
ATOM	3850	CB	LEU	A	426	9.215	-1.912	21.153	1.00	0.28
ATOM	3851	CG	LEU	A	426	8.600	-0.791	20.330	1.00	0.43
ATOM	3852	CDI	LEU	A	426	8.368	-1.251	18.898	1.00	0.63
ATOM	3853	CD2	LEU	A	426	7.281	-0.350	20.949	1.00	1.00
ATOM	3854	CD2	LEU	A	426	9.490	-2.750	23.477	1.00	0.01
ATOM	3855	0	LEU	A	426	10.476	-3.502	23.442	1.00	0.01
ATOM	3856	N	GLY	A	427	8.422	-2.987	24.219	1.00	0.01
ATOM	3858	CA	GLY	A	427	8.407	-4.123	25.141	1.00	0.01
							1 -4.123	1 40.141	1.00	

ATOM	3859	С	GLY	A	427	7.051	-4.798	25.346	1.00	0.00
ATOM	3860	0	GLY	Α	427	5.997	-4.354	24.873	1.00	0.01
ATOM	3861	N	LYS	Α	428	7.120	-5.898	26.072	1.00	0.00
ATOM	3863	CA	LYS	A	428	5.944	-6.689	26.445	1.00	0.01
ATOM	3864	СВ	LYS	Α	428	5.789	-7.862	25.484	1.00	0.01
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ATOM	3866	CD	LYS	A	428	4.667	10.117	25.270	1.00	0.00
ATOM	3867	CE	LYS	A	428	4.692	10.060	23.750	1.00	0.00
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ATOM	3870	0	LYS	Α	428	6.958	-8.157	28.051	1.00	0.01
ATOM	3871	N	VAL	A	429	5.333	-6.782	28.784	1.00	0.00
ATOM	3873	CA	VAL	A	429	5.387	-7.325	30.142	1.00	0.01
ATOM	3874	CB	VAL	A	429	5.105	-6.215	31.144	1.00	0.01
ATOM	3875	CG1	VAL	A	429	5.108	-6.750	32.572	1.00	0.00
ATOM	3876	CG2	VAL	A	429	6.132	-5.101	30.998	1.00	0.01
ATOM	3877	C	VAL	A	429	4.368	-8.447	30.294	1.00	0.00
ATOM	3878	0	VAL	A	429	3.173	-8.211	30.519	1.00	0.01
ATOM	3879	N	GLU	A	430	4.857	-9.666	30.153	1.00	0.02
ATOM	3881	CA	GLU	A	430	4.000	10.843	30.270	1.00	0.01
ATOM	3882	СВ	GLU	A	430	4.477	11.877	29.261	1.00	0.30
ATOM	3883	CG	GLU	A	430	3.550	13.085	29.206	1.00	0.57
ATOM	3884	CD	GLU	A	430	4.321	14.244	28.598	1.00	0.25
ATOM	3885	OE1	GLU	A	430	3.692	15.219	28.209	1.00	0.58
ATOM	3886	OE2	GLU	A	430	5.534	14.216	28.754	1.00	0.26
ATOM	3887	С	GLU	A	430	4.096	11.422	31.675	1.00	0.02
ATOM	3888	0	GLU	Α	430	3.177	12.097	32.153	1.00	0.01
ATOM	3889	N	ASN	Α	431	5.220	- 11.149	32.313	1.00	0.00
ATOM	3891	CA	ASN	A	431	5.443	11.521	33.713	1.00	0.00
ATOM	3892	СВ	ASN	A	431	5.740	13.018	33.801	1.00	0.00
ATOM	3893	CG	ASN	Α	431	5.920	13.475	35.253	1.00	0.01
ATOM	3894	OD1	ASN	A	431	6.693	12.891	36.026	1.00	0.02
ATOM	3895	ND2	ASN	A	431	5.257	14.566	35.584	1.00	0.02
ATOM	3898	С	ASN	A	431	6.632	10.736	34.246	1.00	0.02
ATOM	3899	0	ASN	A	431	7.777	11.192	34.119	1.00	0.01
ATOM	3900	N	PRO	A	432	6.349	-9.732	35.060	1.00	0.00
ATOM	3901	CA	PRO	A	432	7.387	-8.783	35.483	1.00	0.02
ATOM	3902	CB	PRO	Α	432	6.637	-7.649	36.110	1.00	0.02
ATOM	3903	CG	PRO	Α	432	5.164	-8.012	36.211	1.00	0.01

										0.00
ATOM	3904	CD	PRO	A	432	5.016	-9.365	35.537	1.00	0.02
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ATOM	3906	0	PRO	A	432	9.515	-8.805	36.553	1.00	0.00
ATOM	3907	N	THR	A	433	8.145	10.500	37.076	1.00	0.02
ATOM	3909	CA	THR	Α	433	9.086	- 11.048	38.054	1.00	0.01
ATOM	3910	СВ	THR	A	433	8.340	11.865	39.104	1.00	0.02
ATOM	3911	OG1	THR	A	433	7.900	13.083	38.520	1.00	0.01
ATOM	3912	CG2	THR	A	433	7.136	11.114	39.660	1.00	0.01
ATOM	3913	С	THR	A	433	10.127	11.927	37.369	1.00	0.02
ATOM	3914	0	THR	A	433	11.161	12.247	37.969	1.00	0.02
ATOM	3915	N	LYS	A	434	9.910	12.226	36.098	1.00	0.01
ATOM	3917	CA	LYS	A	434	10.908	12.974	35.324	1.00	0.02
ATOM	3918	СВ	LYS	A	434	10.202	13.816	34.268	1.00	2.22
ATOM	3919	CG	LYS	A	434	9.202	14.782	34.891	1.00	2.65
ATOM	3920	CD	LYS	A	434	9.867	15.756	35.857	1.00	2.62
ATOM	3921	CE	LYS	A	434	8.831	16.644	36.534	1.00	3.30
ATOM	3922	NZ	LYS	A	434	9.470	17.570	37.481	1.00	3.61
ATOM	3923	С	LYS	A	434	11.891	12.016	34.651	1.00	0.02
ATOM	3924	0	LYS	A	434	11.859	11.817	33.430	1.00	0.00
ATOM	3925	N	SER	A	435	12.761	11.438	35.460	1.00	0.02
ATOM	3927	CA	SER	A	435	13.747	10.479	34.960	1.00	0.02
ATOM	3928	CB	SER	A	435	13.389	-9.101	35.503	1.00	1.31
ATOM	3929	OG	SER	A	435	12.076	-8.780	35.062	1.00	1.94
ATOM	3930	C	SER	A	435	15.152	10.861	35.411	1.00	0.02
ATOM	3931	0	SER	A	435	15.582	10.351	36.435	1.00	0.01
ATOM	3932	OXT	SER	A	435	15.790	11.618	34.691	1.00	0.01

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